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EXPANDED SITE INSPECTION
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA

3/975

EPA ID No. FLD980847016

Revision 2

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region 4
Atlanta, GA 30303

Contract No.	:	68-W5-0021
TDD No.	:	04-9703-0005
Date Prepared	:	March 6, 1998
EPA Work Assignment Manager	:	Tillman McAdams
Telephone No.	:	(404) 562-8933
Prepared by	:	Tetra Tech EM Inc.
Project Manager	:	Kristen Lombard
Telephone No.	:	(404) 225-5507

Prepared by

Kristen Lombard for Joe Baer
Kristen Lombard for Joe Baer
START Project Manager START Technical Reviewer

Reviewed by

Approved by

Michael Jones
for R. Steve Pierce
Michael Jones
R. Steve Pierce
START Leader

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The Browns Dump site was evaluated to determine the following: if a release of hazardous substances occurred or may occur, the pathways by which contamination could migrate from the site, and the populations and environments contamination would potentially affect. To characterize contamination at the site, 16 surface soil samples were collected on site. In addition, four surface water, four sediment, and four groundwater samples were collected to determine if contaminants were migrating from the site into the surface water and groundwater. The combined analytical results of the field investigation indicated that on-site soils contained elevated levels of several inorganic and organic contaminants, including lead and dioxin/furans. Elevated levels of many inorganic contaminants and some organic contaminants were also detected in groundwater and sediment samples.

The groundwater pathway is of concern due to the release of site-attributable contaminants and the large number of targets within the site's 4-mile radius. Potable water in Jacksonville is supplied by Jacksonville Public Utilities (JPU), Magnolia Gardens, Lake Forrest, or private wells. JPU provides potable water through 105 wells, 29 of which are located within the site's 4-mile radius and serve approximately 113,013 people. Magnolia Gardens provides water to approximately 1,786 persons through 1 well, and Lake Forest provides water to approximately 2,134 persons from 1 well located within the site's 4-mile radius. Private wells located within a 4-mile radius of the site provide drinking water to approximately 8,287 people.

The surface water pathway is also of concern. Elevated levels of site-attributable mercury and lead were detected in the sediment of Moncrief Creek. Moncrief Creek and the Trout and St. Johns Rivers are all recreational fisheries. Additionally, the St. Johns River is a critical habitat for federally endangered species, and wetland acreage is located along the 15-mile surface water pathway.

The soil exposure pathway is the primary pathway of concern at the site. The Mary McLeod Bethune Elementary School and several residences are located on site and within 200 feet of contamination. Elevated levels of lead and 2,3,7,8-tetrachlorodibenzodioxin were detected in surface soil. Airborne contamination is not of concern at the site because the majority of the site is covered either by vegetation or asphalt. There are approximately 48,047 persons residing within 4 miles of the site. Additionally, there are 275 acres of wetlands located within 1 mile of the site.

Based on the information provided in this report, further action is recommended at the Browns Dump site.

1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked Tetra Tech EM Inc., under the Superfund Technical Assessment and Response Team (START) Contract No. 68-W5-0021, Technical Direction Document No. 04-9703-0005, to conduct a expanded site inspection (ESI) at the Browns Dump site located in Jacksonville, Duval County, Florida.

The primary objective of an ESI is to determine whether a site has the potential to be placed on the National Priorities List (NPL). The NPL identifies sites where releases or threatened releases of hazardous substances pose a serious enough threat to public health or the environment to warrant further investigation and possible remediation under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA).

Information gathered during the ESI is used to generate a preliminary Hazard Ranking System (HRS) score. The HRS is the primary criterion EPA uses to determine whether a site should be placed on the NPL. ESIs are generally conducted at sites where additional environmental sampling or monitoring well installation is necessary to fulfill HRS documentation requirements. Further, an ESI is conducted to address site issues not adequately resolved in previous investigations.

Specifically, the objectives of the ESI are as follows:

- Obtain and review relevant file material
- Collect samples that will attribute hazardous substances to site operations
- Collect samples to establish representative background levels
- Evaluate target populations for the groundwater migration, surface water migration, soil exposure, and air migration pathways
- Collect any other missing HRS data
- Document current site conditions
- Develop a site layout map

This report documents the results of the ESI that START personnel conducted at the Browns Dump site from July 7 to 11, 1997. START personnel gathered and reviewed information from the EPA Region 4 CERCLA files and prepared a site-specific field study plan (FSP), which was approved by EPA.

2.0 SITE BACKGROUND

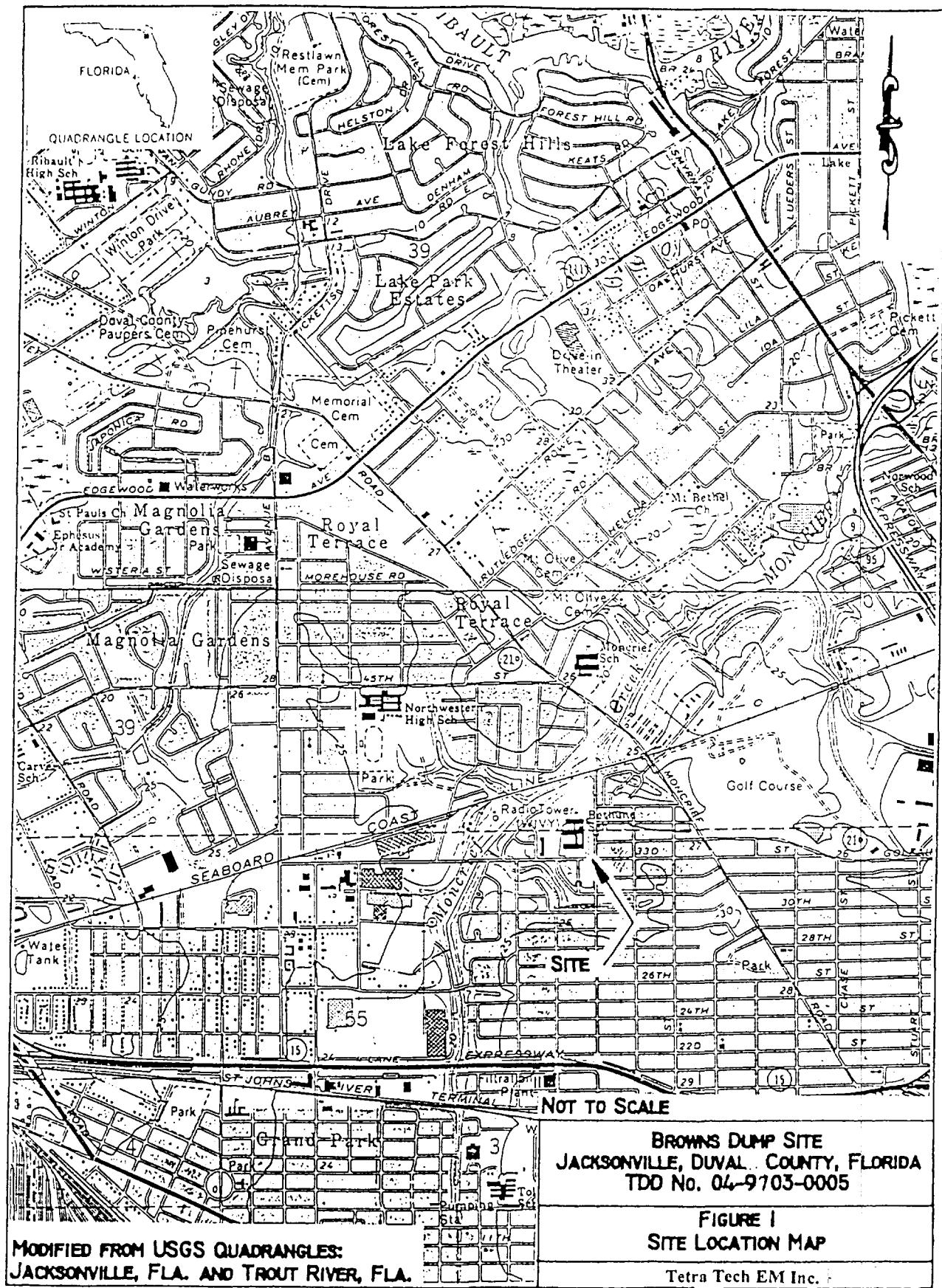
This section describes the Browns Dump site and its environmental setting, regional geology and hydrogeology, current and past operations, and potential source areas.

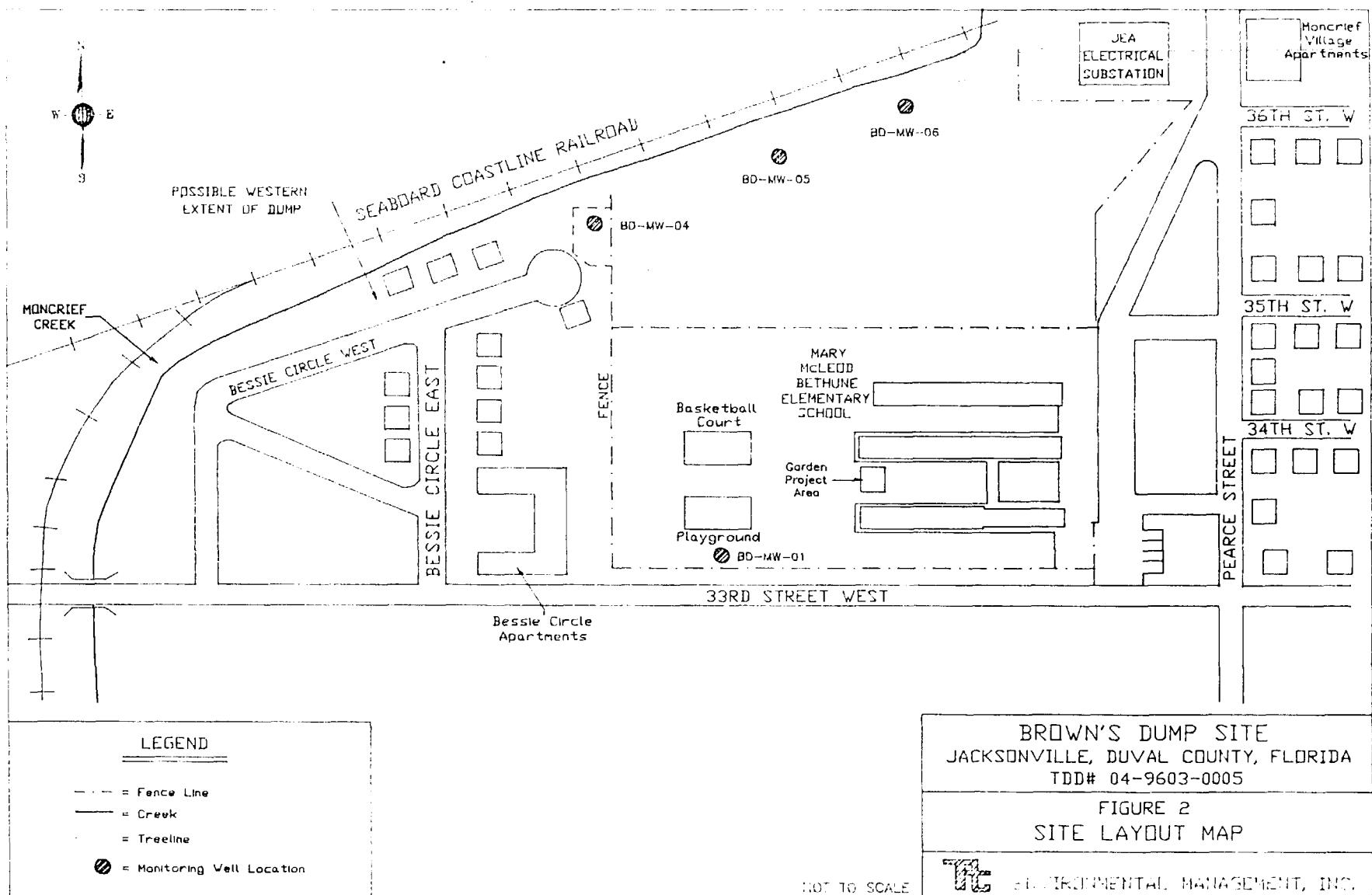
2.1 SITE DESCRIPTION AND ENVIRONMENTAL SETTING

The former Browns Dump site is an approximately 50-acre area located north of West 33rd Street, west of Pearce Street, and south and east of Moncrief Creek in Jacksonville, Duval County, Florida ($30^{\circ} 22' 00''$ north latitude $81^{\circ} 41' 10''$ west longitude) (Figure 1) (Refs. 1; 2, p. 2-1). Access to the site is unrestricted. Some restrictive fencing has been used to limit access to areas of known contamination. However, some areas of contamination are located outside the fenced perimeter, and breeches in the restrictive fence were present during the ESI. Situated within those 50 acres is an elementary school, which occupies 14 acres, and several single- or multiple-family residences (Ref. 2, p. 2-1). From 1949 to 1953, the site was an operating landfill that was used to deposit ash from the City of Jacksonville municipal solid waste incinerator (Ref. 3, p. 2). Additionally, Clinton Brown, former property owner, stated that when the incinerator was not functioning, municipal waste was brought directly to the site (Ref. 4, p. 1-2). Ash is present within the 50-acre area at depths varying from the surface to 22 feet below ground surface. Although ash varies in color, it is identified by the presence of glass and metal fragments and it is generally several inches to several feet in thickness across the site (Ref. 2, p. 2-1).

The school is covered by grass, pavement, three school buildings, and a parking lot. The teacher's parking lot on the eastern portion of the school property is unpaved, and ash predominates at the surface. A garden is located in the area between two school buildings. The playground area west of the building is intended to be grass covered, but the grass is absent or dead in many places. Bare areas of the playground were covered with topsoil and seeded; however, the soil still does not support a grass cover (Ref. 2, p. 2-1). The site layout is shown as Figure 2.

Duval County area has a temperate climate with short, mild winters and hot, humid summers. The average winter and summer temperature in this area are approximately 56°F and 82°F during the months of January and August, respectively. The mean annual rainfall for Jacksonville is 54 inches, and





the annual lake evaporation in the area is 45 inches, yielding a net annual precipitation of 9 inches (Ref. 5). The 2-year, 24-hour rainfall for the area is approximately 5 inches (Ref. 6). Several residences and an elementary school are located on a 14-acre portion of the Browns Dump site. Although the boundaries of the ash are unclear, it is visible in the area underneath the Bethune Elementary School property, the Bessie Circle neighborhood, residences of Pearce Street, and the Jacksonville Electrical Authority (Refs. 2, p. 2-1; 7; 8). Two apartment buildings are located in this area, the Bessie Circle Apartments and Moncrief Village Apartments. There were no obvious signs of stressed vegetation at the site during the field investigation (Refs. 7, p. 4).

2.2 SITE OPERATIONS AND REGULATORY HISTORY

The Browns Dump site operated from the 1949 until it was closed in 1953 as a landfill for incinerator ash; however, it accepted municipal waste when the incinerator was not operating (Ref. 4, p. 1-2). In 1955, approximately 14 acres of the site was obtained by the Duval County School Board, and the Mary McLeod Bethune Elementary School was constructed (Ref. 4, p. 1-2). A smaller section of land (2 acres) was also acquired by the Jacksonville Electric Authority for the construction of an electric substation (Ref. 4, p. 2-1). An interview with Clinton Brown, former site owner, revealed that the site was utilized as a hog farm before and after the dumping. Additionally, he stated that a portion of the dump was used as a vegetable garden (Ref. 4, p. 1-2).

No regulatory actions taken against the potentially responsible parties (PRP) for Browns Dump were noted in the file material. In 1995, the PRPs submitted a Contamination Assessment Report (CAR) to the Florida Department of Environmental Protection (FDEP) (Ref. 4). The CAR concluded that several Interim Remedial Actions should be taken at the site and that a health risk evaluation was necessary to evaluate the current and potential future health impacts associated with the site. The health evaluation was performed in July 1996 and concluded that the hazard posed by the Browns Dump site was not great enough to warrant soil removal (Ref. 2).

2.3 PREVIOUS RELEASES AND INVESTIGATIONS

EPA conducted a Preliminary Assessment in 1985, which concluded that the site should be inspected on a low-priority basis (Ref. 9). In November 1985, the EPA Environmental Services Division conducted

a site screening investigation (SSI), during which the following samples were collected (Ref. 10):

- Three surface and subsurface soil samples
- Three sediment samples
- Three groundwater samples
- Two surface water samples

The results of these samples indicated high levels of lead in surface and subsurface soil samples.

Additionally, lead was detected in sediment samples collected from Moncrief Creek. The groundwater and surface water sample results did not show any detectable levels of lead; however, the laboratory detection limits were unusually high for these media (Ref. 10, pp. 2, 3).

In 1995, the Roy F. Weston, Inc., Technical Assistance Team (TAT) of EPA's Emergency Response Removal and Prevention Branch conducted a sampling trip. The Weston TAT investigation included the collection of eight surface soil and one surface water sample. The results of these samples support the elevated levels of lead found in the previous investigation. As a result of these levels, a meeting was conducted on April 25, 1995, with concerned parties to discuss future activities at the site (Ref. 3). It was concluded during this meeting that the FDEP would take the prime enforcement role for the site, with EPA providing technical assistance. EPA advised school officials to restrict access from the areas of soil contamination as identified by the most recent sample results (Ref. 3, p. 3).

In November 1995, EMCON Corporation prepared a CAR for the City of Jacksonville Solid Waste Division. The scope of work for the Contamination Assessment included the collection of 62 soil boring samples and, the installation and sampling of 8 shallow monitoring wells, and the collection of surface water and sediment samples; in addition, a well inventory was completed. The 1995 CAR concluded that a health risk evaluation for the site was necessary. Based on the results of the contamination assessment, follow-up work was completed in 1996, including the installation of additional soil borings on the school property and in the surrounding residential areas to define the lateral extent of the ash. Selected samples were also analyzed for total lead and Toxicity Characteristic Leaching Procedure lead (Ref. 4). The health evaluation, performed at the site in July 1996, determined that, although the Browns Dump site did not currently pose a heath risk, several interim remedial measures be implemented at the site (Ref. 2, p. 7-3).

2.4 POTENTIAL SOURCE AREAS

Burning and incineration processes can produce dioxin constituents. Combustion of organic materials and other wastes in a municipal incinerator may generate contaminants that may be present at elevated levels in the ash resulting from incinerator operations. Therefore, for the purposes of this ESI, the landfill and associated areas of contaminated soil will be evaluated as the potential source area because it was documented to have received ash from the 5th & Cleveland Street incinerator (Ref. 4, p. 2-1). The locations and analytical results of the source sampling conducted at the facility are further discussed in Section 4.0.

3.0 ESI ACTIVITIES

This section outlines field observations and sampling procedures at the Browns Dump site. Individual subsections address the sampling inspections and rationales for specific ESI activities. The field investigation at the Browns Dump site consisted of one screening and sampling effort during the week of July 7, 1997 (Refs. 7; 8). The ESI was conducted in accordance with the EPA-approved FSP, dated May 23, 1997.

3.1 SAMPLE COLLECTION METHODOLOGY AND PROCEDURES

The purpose of the ESI sampling was to collect data to evaluate significant contamination, migration, and exposure pathways. To accomplish this, the START field team collected environmental samples from a number of strategic locations. These locations were selected based on historical data and the results of an X-Ray Fluorescence (XRF) Field Screening investigation, which was conducted in concurrence with the ESI sampling. The START field team collected 16 surface soil samples, 4 groundwater samples, 4 surface water samples, and 4 sediment samples, which included a background sample for each medium. Figure 3 shows the sample locations (Refs. 7; 8). During the field investigation, split samples were offered to and accepted by the City of Jacksonville from four sample locations (BD-SS-04, BD-SS-07, BD-SD-03, and BD-MW-03).

Sampling and field quality assurance/quality control procedures for ESI field activities were conducted in accordance with the 1996 EPA Region 4 Science and Ecosystem Support Division (SESD), *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*. All

surface soil samples were collected from a depth of 0 to 3 inches (Ref. 7, p. 9).

There were many deviations from the FSP, including the change of most of the sample locations due to field conditions determined during the XRF Field Screening investigation. All field changes are reflected in Figure 3 and Table 1 following Section 4.0.

3.2 ANALYTICAL SUPPORT AND METHODOLOGY

All samples collected were analyzed under the Contract Laboratory Program (CLP). Samples were analyzed for all organic parameters listed in the Target Compound List (TCL) and all inorganic parameters in the Target Analyte List. In addition, surface soil samples were analyzed for dioxin/furan compounds. EPA Region 4 SESD reviewed all data for compliance within the terms of the CLP. The complete set of analytical data is presented as Attachment A.

3.3 ANALYTICAL DATA QUALITY AND DATA QUALIFIERS

All analytical data were subject to a quality assurance review as described in the EPA Laboratory Data Validation National Function Guidelines. In the tables presented, some of the concentrations of the organic and inorganic analyses may have been assigned a "J" qualifier, indicating that the qualitative analysis was acceptable, but the quantitative value was an estimate. Other analyses may have been assigned a "N" qualifier, indicating that the compounds were detected based on the presumptive evidence of their presence. This means that the compound is only tentatively identified, and its detection is not unequivocal proof of its presence. Some of the concentrations of the inorganic analysis was confirmed with a gas chromatograph mass spectrometer (GCMS), indicating that the presence of the compound was confirmed. They were flagged with a "C" qualifier. The results for some of the samples are assigned a "U" qualifier, indicating that the contaminant was analyzed for, but not detected above the sample quantitation limit (SQL) for that sample. The reported number is the laboratory-derived SQL for the compound or element in that sample. At times, miscellaneous organic compounds that do not appear on the TCL are reported with a data set. These compounds are assigned a "JN" qualifier, indicating that they are tentatively identified at estimated quantities. Because these compounds are not routinely analyzed for, background levels or SQLs are generally not available for comparison.

TABLE 1
SUMMARY OF SAMPLE LOCATIONS
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA

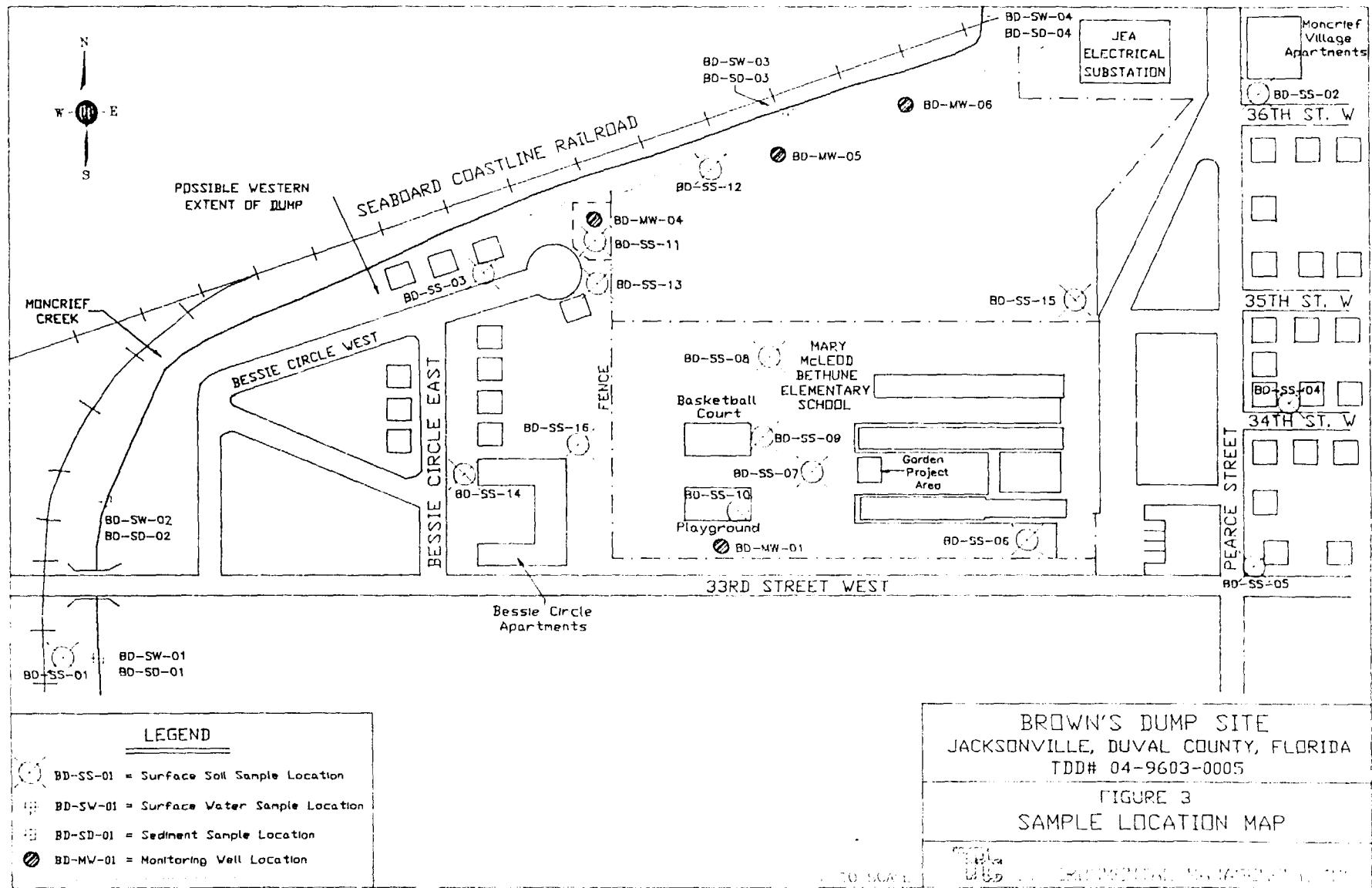
Sample Number	Sample Type	Location	Rationale
BD-SS-01	Surface Soil	South of the site across 33rd Street West on the banks of Moncrief Creek	Background soil sample for comparison to on-site samples
BD-SS-02	Surface Soil	Moncrief Creek Village Apartments, 45 feet southwest of the Pearce Street building	Determine presence or absence of hazardous substances
BD-SS-03	Surface Soil	[REDACTED]	Determine presence or absence of hazardous substances
BD-SS-04	Surface Soil	[REDACTED]	Determine presence or absence of hazardous substances
BD-SS-05	Surface Soil	[REDACTED]	Determine presence or absence of hazardous substances
BD-SS-06	Surface Soil	On the elementary school property, 100 feet from the southeast corner of the southernmost building	Determine presence or absence of hazardous substances
BD-SS-07	Surface Soil	In the elementary school courtyard, approximately 67 feet from the fence	Determine presence or absence of hazardous substances
BD-SS-08	Surface Soil	On the elementary school property, 30 feet west of the northernmost building	Determine presence or absence of hazardous substances
BD-SS-09	Surface Soil	On the east side of the elementary school beside the basketball court	Determine presence or absence of hazardous substances
BD-SS-10	Surface Soil	In the elementary school playground, near the slide and swing	Determine presence or absence of hazardous substances
BD-SS-11	Surface Soil	On Bessie Circle cul-de-sac in a fenced ERRB area. Note: the ERRB fence in this area was found down in one area	Determine presence or absence of hazardous substances
BD-SS-12	Surface Soil	From the edge of the elementary school property north of the ERRB fence line	Determine presence or absence of hazardous substances
BD-SS-13	Surface Soil	[REDACTED]	Determine presence or absence of hazardous substances
BD-SS-14	Surface Soil	Bessie Circle Apartment Complex, approximately 8 feet west of the building	Determine presence or absence of hazardous substances

Sample Number	Sample Type	Location	Rationale
BD-SS-15	Surface Soil	North of the ERRB fence line, approximately 10 feet from the northern-most elementary school building	Determine presence or absence of hazardous substances
BD-SS-16	Surface Soil	Bessie Circle Apartment Complex in the northeast corner	Determine presence or absence of hazardous substances
BD-SD-01	Sediment	Collected 0.2 mile upstream of the 33rd Street bridge	Background sediment sample for comparison to downgradient samples
BD-SD-02	Sediment	Approximately 300 feet downstream of the 33rd Street bridge	Determine presence or absence of hazardous substances
BD-SD-03	Sediment	Approximately 15 feet upstream of the Railroad bridge	Determine presence or absence of hazardous substances
BD-SD-04	Sediment	Approximately 120 feet upstream of the Moncrief Road bridge	Determine presence or absence of hazardous substances
BD-SW-01	Surface Water	Collected 0.2 mile upstream of the 33rd Street bridge	Background surface water sample for comparison to downgradient samples
BD-SW-02	Surface Water	Approximately 300 feet downstream of the 33rd Street bridge	Determine presence or absence of hazardous substances
BD-SW-03	Surface Water	Approximately 15 feet upstream of the railroad bridge	Determine presence or absence of hazardous substances
BD-SW-04	Surface Water	Approximately 120 feet upstream of the Moncrief Road bridge	Determine presence or absence of hazardous substances
BD-MW-01	Groundwater	On the south side of the elementary school playground, adjacent to 33rd Street	Background groundwater sample for comparison to downgradient samples
BD-MW-04	Groundwater	Adjacent to the Bessie Circle cul-de-sac	Determine presence or absence of hazardous substances
BD-MW-05	Groundwater	North of the ERRB fence line, adjacent to Moncrief Creek	Determine presence or absence of hazardous substances
BD-MW-06	Groundwater	North of the ERRB fence line, approximately 200 feet east of BD-MW-05	Determine presence or absence of hazardous substances

Notes:

BD	Browns Dump
SS	Surface soil
ERRB	Emergency Response and Removal Branch

SD	Sediment
SW	Surface water
MW	Monitoring well



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Samples containing concentrations of contaminants greater than three times those of the background sample are considered to be elevated. In those cases where there was no detection of a contaminant at a background location, any sample with a concentration above its SQL and above the background SQL is considered to be elevated. These samples are shaded in the analytical results tables and are noted in the text. The complete set of analytical data is provided in Attachment A of this report.

4.0 SOURCE SAMPLING

For evaluation purposes, the areas of contamination was defined by surface soil sample results. All samples were submitted to EPA CLP laboratories for full routine analytical services parameters. Additionally, surface soil samples were submitted to a laboratory for dioxin/furan analysis. The analytical results for surface soil samples are presented in Tables 2 through 5. The analytical results of the surface soil samples were compared with those of the background sample to determine whether any substance was significantly elevated due to releases from on-site sources. Elevated levels of constituents are shaded in the analytical results summary tables. Significance above background was determined using the methodology outlined in the EPA document *Using Qualified Data to Document an Observed Release*, dated July 1994.

The following discussion of hazardous constituents detected at elevated levels in soil samples collected at the site includes only those hazardous constituents that are associated with site operations and those hazardous constituents that may pose a threat to human health or the environment.

4.1 SOURCE SAMPLE LOCATIONS AND ANALYTICAL RESULTS

START personnel collected 16 surface soil samples from the site, which includes the elementary school and several private residences. One background sample (BD-SS-01) was collected southwest of the site near Moncrief Creek. BD-SS-02 was collected in Moncrief Village Apartments, and samples BD-SS-14 and BD-SS-16 were collected at the Bessie Circle Apartments. Surface soil samples BD-SS-03, BD-SS-04, BD-SS-05, and BD-SS-13 were collected in the yards of several residences. BD-SS-15 was collected from an area on Bessie Circle Cul-de-sac. The remainder of the samples (BD-SS-06 through -10, and BD-SS-15) were all collected in the elementary school property. Table 1 presents detailed sample locations.

Analytical results of the surface soil samples collected at the site indicated elevated levels of aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, cyanide, iron, lead,

magnesium, mercury, nickel, potassium, silver, sodium, vanadium, and zinc (see Table 2). Lead was detected in nine surface soil samples ranging from 180J milligrams per kilogram (mg/kg) in sample BD-SS-16 to 950J mg/kg in sample BD-SS-02. Mercury was detected in 11 surface soil samples ranging from 0.12 mg/kg in sample BD-SS-02 to 5.6 mg/kg in sample BD-SS-11. Copper was detected in 11 surface soil samples ranging from 38 mg/kg in sample BD-SS-14 to 4,100 mg/kg in BD-SS-12.

Several extractable organic compounds were detected at elevated levels in surface soil samples including the following: acenaphthlene, carbazole, fluorene, phenanthrene, anthracene, pyrene, fluoranthene, benzo(a)anthracene, chrysene, bis(2-ethylhexyl)phthalate, benzo(b and/or k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and many miscellaneous extractable compounds (see Table 3). Benzo(a)pyrene was detected in three surface soil samples ranging from 450 micrograms per kilograms ($\mu\text{g}/\text{kg}$) in sample BD-SS-02 to 1,900J $\mu\text{g}/\text{kg}$ in sample BD-SS-10. Phenanthrene was detected in three surface soil samples ranging from 370 $\mu\text{g}/\text{kg}$ in sample BD-SS-02 to 5,600J $\mu\text{g}/\text{kg}$ in sample BD-SS-10.

Numerous pesticides were also detected at elevated levels at the site. These include dieldrin, 4,4-DDE, 4,4-DDT, 4,4-DDD, alpha chlordane, and gamma chlordane. 4,4-DDT was detected at elevated levels ranging from 73 $\mu\text{g}/\text{kg}$ in sample BD-SS-04 to 99C $\mu\text{g}/\text{kg}$ in sample BD-SS-11. In addition, the polychlorinated biphenyls (PCB's) were also detected at elevated levels (see Table 4). PCB-1260 was detected at elevated levels in eight samples. PCB constituents ranged from 84 $\mu\text{g}/\text{kg}$ in sample BD-SS-06 to 1,400C $\mu\text{g}/\text{kg}$ in sample BD-SS-15.

Dioxin/furan compounds were also detected surface soil samples (see Table 5). Pentachlorodibenzofuran (total) was detected at elevated levels in nine surface soil samples at concentrations ranging from 9.1J nanograms per kilogram (ng/kg) in sample BD-SS-16 to 350J ng/kg in BD-SS-13.

Tetrachlorodibenzodioxin (total) was detected in six surface soil samples at elevated concentrations ranging from 14J ng/kg in sample BD-SS-08 to 300J ng/kg in BD-SS-13.

No volatile organic compounds were detected in any of the surface soil samples collected on site.

TABLE 2

SUMMARY OF INORGANIC SURFACE SOIL ANALYTICAL RESULTS
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA

ANALYTE mg/kg	Background	SAMPLE NUMBER															
		On Site															
		BDSS01	BDSS02	BDSS03	BDSS04	BDSS05	BDSS06	BDSS07	BDSS08	BDSS09	BDSS10	BDSS11	BDSS12	BDSS13	BDSS14	BDSS15	BDSS16
Aluminum		1,100	2,300	2,400	1,800	1,200	830	1,300	2,100	1,100	990	4,500	5,000	3,300	1,900	5,500	1,600
Antimony		1.1UR	11J	2.9J	--	--	1.4J	--	3.3J	--	2J	21J	19J	32J	6.8J	11J	2UJ
Arsenic		3J	5.6J	4.1J	2.4J	--	--	--	5.1J	--	--	18	35	11	--	15	--
Barium		28	160	140	56	24	18	36	110	4.1	10	590	1,200	400	84	550	93
Cadmium		1U	2.1	2	1.4	0.45J	0.27J	0.68J	1.9	--	0.14J	8.8	7.9	5.3	1.1	8.1	1.5
Calcium		5,200	4,300	13,000	4,200	2,400	1,300	630	1,200	650	4,600	18,000	6,800	9,000	2,200	8,400	3,600
Chromium		3.5J	11J	14J	15J	4.7J	3.8J	6.6J	15J	1.7J	3.7J	58J	79J	140J	11J	57J	15J
Cobalt		0.69J	1.8J	1.9J	0.77J	0.52J	0.50J	0.83J	2.1J	--	--	7.5J	14	5J	1J	9.1J	1.5J
Copper		12	83	67	46	40	29	33	120	2.4J	9.9	360	4,100	240	38	420	52
Cyanide		0.5U	0.36	0.74	0.57	--	--	1.3	2.8	0.61	--	1.1	0.68	2.6	--	14	2.8
Iron		9,800J	13,000J	8,300J	5,500	3,500J	4,100J	9,100J	17,000J	420J	1,800J	56,000	110,000J	29,000J	8,800J	79,000J	11,000J
Lead		22J	950J	370J	200J	100J	130J	150J	380J	5J	51J	1,800JN	9,100JN	1,900JN	460J	1,200JN	180J
Manganese		43J	140J	89	110J	57J	67J	65J	150J	4.7J	22J	470J	790J	260J	98J	590J	110J
Magnesium		220J	580J	740J	240J	200J	120J	200J	220J	50UJ	220J	1,700	4,900	1,100	210	720	340
Mercury (Total)		0.1U	0.12	0.21	0.17	0.33	--	--	0.22	--	--	5.6	0.24	0.4J	0.24	0.95	0.36
Nickel		1.4J	9.7	8.3J	4.4J	3.7J	5.1J	4.2J	12	--	2.6J	41	100	24	4J	44	7.2J
Potassium		130J	130J	290J	86J	80J	76J	96J	140J	40UJ	--	560	530	320J	150J	210J	160J
Silver		0.37J	0.97J	0.90J	0.45J	0.30J	--	--	1.1J	--	--	4.3	4.4	2.7	0.47J	4.6	--
Sodium		75J	34	70	36J	36J	--	52	35J	46J	30	76	330	86	41J	120	50J
Vanadium		5.4J	8.6J	8.4J	6.7J	4J	6.8J	5.4J	5.2J	1.8J	2.5J	30	16	18	52J	21	6.5J
Zinc		37	1,700	690	390	130J	100	200	630	17	76	3,800	2,800	2,700	230	2,200	340

Notes:

mg/kg Milligrams per kilogram
J Estimated value
N Presumptive evidence of material

-- Material analyzed for, but not detected.
U Material analyzed for, but not detected. Number shown is the sample quantitation limit.
R Rejected data
Shaded areas indicate elevated concentrations of constituents.

TABLE 3
 SUMMARY OF EXTRACTABLE ORGANIC SURFACE SOIL ANALYTICAL RESULTS
 BROWNS DUMP
 JACKSONVILLE, DUVAL COUNTY, FLORIDA

ANALYTE ($\mu\text{g/kg}$)	SAMPLE NUMBER															
	Back-ground	On Site														
		BDSS01	BDSS02	BDSS03	BDSS04	BDSS05	BDSS06	BDSS07	BDSS08	BDSS09	BDSS10	BDSS11	BDSS12	BDSS13	BDSS14	BDSS15
Acenaphthene	400UJ	--	--	--	--	--	--	--	--	500J	--	--	--	--	49J	--
Carbazole	400UJ	50J	--	--	--	--	48J	--	--	810J	--	--	--	--	110J	--
Fluorene	400UJ	--	--	--	--	--	--	--	--	470J	--	--	--	--	--	--
Phenanthrene	400UJ	370	--	40J	--	--	320J	45J	160J	5,600J	100J	310J	--	39J	900	--
Anthracene	400UJ	67J	--	--	--	--	38J	48J	--	800J	--	55J	--	--	71J	--
Fluoranthene	400UJ	1,200	57J	78J	41J	--	540	72J	260J	7,200J	240J	380	92J	88J	2,000	--
Pryene	400UJ	850J	85J	94J	44J	--	440J	82J	170J	4,100J	240J	470J	95J	70J	2,000J	--
Benzo(a)anthracene	400UJ	540	--	56J	--	--	260J	46J	120J	2,100J	180J	250J	--	--	690	--
Chrysene	400UJ	470	49J	51J	--	--	220J	44J	97J	2,300J	140J	190J	57J	43J	730	--
Bis(2-ethylhexyl)phthalate	400UJ	--	--	--	--	470J	--	--	--	1,200J	--	--	--	--	500	670
Benzo(b and/or k)fluoranthene	400UJ	830J	120J	77J	39J	--	370J	60J	170J	3,500J	270J	290J	110J	87J	1,300J	--
Benzo-a-pyrene	400UJ	450	64J	41J	--	--	210J	--	83J	1,900J	160J	170J	62J	--	740	--
Indeno(1,2,3-cd)pyrene	400UJ	220J	--	--	--	--	110J	--	--	1,100J	77J	110J	--	--	380J	--
Dibenzo(a,h)anthracene	400UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	150J	--
Benzo(ghi)perylene	400UJ	230J	57J	--	--	--	110J	--	--	1,000J	98J	120J	43J	--	440	--
Phenol	400UJ	--	--	--	--	--	--	--	40J	--	--	--	--	--	--	--
Naphthalene	400UJ	--	--	--	--	--	--	--	--	120J	--	--	--	--	--	--
Dibenzofuran	400UJ	--	--	--	--	--	--	--	--	320J	--	--	--	--	--	--
Acenaphthylene	400UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	47J	--

TABLE 3 (Continued)

SUMMARY OF EXTRACTABLE ORGANIC SURFACE SOIL ANALYTICAL RESULTS
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA

ANALYTE ($\mu\text{g}/\text{kg}$)	Back- ground	SAMPLE NUMBER														
		On Site														
		BDSS01	BDSS02	BDSS03	BDSS04	BDSS05	BDSS06	BDSS07	BDSS08	BDSS09	BDSS10	BDSS11	BDSS12	BDSS13	BDSS14	BDSS15
6 Unidentified Compounds	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,000J	NA	NA
Alkanes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	600J	NA	NA
Anthracenedione	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200JN	NA
Cyclopentaphenanthrenone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100JN	NA
Benzanthracenone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	90JN	NA
Benzo-naphthothiophene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	90JN	NA
Benzopyrene (Not A)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	600JN	NA
Methylenebis(chloro)benzenamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	600JN

Notes:

 $\mu\text{g}/\text{kg}$ Micrograms per kilogram

J Estimated value

N Presumptive evidence of material

U Material analyzed for, but not detected. Number shown is the sample quantitation limit.

NA Not analyzed for analytes

-- Material analyzed for, but not detected.

Shaded areas indicate elevated concentrations of constituents.

TABLE 4

SUMMARY OF PESTICIDE/PCB SURFACE SOIL ANALYTICAL RESULTS
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA

ANALYTE ($\mu\text{g}/\text{kg}$)	SAMPLE NUMBER															
	Background	On Site														
		BDSS01	BDSS02	BDSS03	BDSS04	BDSS05	BDSS06	BDSS07	BDSS08	BDSS09	BDSS10	BDSS11	BDSS12	BDSS13	BDSS14	BDSS15
4,4'-DDE (P,P'-DDE)	4.0U	9.4	20	110	--	--	--	--	--	--	270C	--	--	--	--	--
4,4'-DDD (P,P'-DDD)	4.0U	--	--	24	--	--	--	--	--	--	41C	--	--	--	--	2.7JN
4,4'-DDT (P,P'-DDT)	4.0U	--	--	73	--	--	--	--	--	--	99C	--	--	--	--	7.1N
Alpha-Chlordane /2	2.0U	--	--	--	--	--	--	--	--	--	13	--	--	--	--	--
Beta HHC	2.0U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.81JN
Dieldrin	4.0U	--	--	--	8.9	1.8J	5.4	--	--	7.8N	--	2.2J	--	--	59	4.4
Endrin	4.0U	7.9JN	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin Aldehyde	4.0U	--	--	--	0.87J	--	--	--	--	--	--	--	--	--	--	--
Gamma-Chlordane /2	2.0U	--	--	--	--	--	--	--	--	--	14	--	8.4	--	4.0	--
Heptachlor	2.0U	--	--	--	--	--	1.1J	--	--	--	--	1.6J	--	--	--	0.44J
PCB-1254 (AROCHEM OR 1254)	58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-1260	40U	--	--	--	--	84	280	120	--	350	500C	33J	800C	--	1,400C	--

notes

 $\mu\text{g}/\text{kg}$ Micrograms per kilogram

U Estimated value

N Presumptive evidence of material

C Confirmed by Gas Chromatograph Mass Spectrometer

-- Material analyzed for, but not detected.

U Material analyzed for, but not detected. Number shown is the quantitation limit.

R Rejected data

Shaded areas indicate elevated concentrations of constituents.

**SUMMARY OF DIOXIN/FURAN SURFACE SOIL ANALYTICAL RESULTS
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA**

ANALYTE (ng/kg)	SAMPLE NUMBER															
	Background		On Site													
	BDSS01	BDSS02	BDSS03	BDSS04	BDSS05	BDSS06	BDSS07	BDSS08	BDSS09	BDSS10	BDSS11	BDSS12	BDSS13	BDSS14	BDSS15	BDSS16
2,3,7,8-Tetrachloro-dibenzodioxin	2.5U	--	4.2J	--	--	--	1.9J	--	--	--	--	--	7.0J	--	--	--
Tetrachloro-dibenzodioxin (Total)	4.8J	9.0J	57J	4.3J	2.9J	1.4J	9.7J	14J	--	12J	260J	20J	300J	8.9J	58J	14J
1,2,3,7,8-Pentachloro-dibenzodioxin	6.2U	2.5J	12	--	--	--	4.8J	3.0J	5.7J	--	--	5.7U	51	1.5J	--	1.8J
Pentachloro-dibenzodioxin (Total)	6.2UJ	11J	82J	--	1.3J	--	9.5J	11J	--	--	260J	19J	350J	6.1J	11J	9.1J
1,2,3,4,7,8-Hexachloro-dibenzodioxin	6.2U	--	13	2.7J	--	0.9J	--	3.1J	--	--	410	29	110	3.5J	56J	4.6J
1,2,3,6,7,8-Hexachloro-dibenzodioxin	6.2U	18	41	14	15	1.9J	8.2	16	--	--	170	9.6	200	9.1	38J	16
1,2,3,7,8,9-Hexachloro-dibenzodioxin	6.2U	15	47	10	5.3J	1.5J	--	11	--	--	180	9.7	240	7.7	36J	10
Hexachloro-dibenzodioxin (Total)	15J	150J	580J	140J	49J	21J	28J	150J	--	--	2,300J	130J	1,900J	63J	290J	100J
1,2,3,4,6,7,8-Heptachloro-dibenzodioxin	15	310	1,000	270	410	46	99	350	4.9J	25	2,600	180	3,300	230	960	440
Heptachloro-dibenzodioxin (Total)	33J	580J	2,200J	540J	1,200J	100J	200J	710J	11J	54J	4,600J	350J	6,000J	390J	1,800J	770J
Octachloro-dibenzodioxin	130	1,600	7,300J	1,700	11,000J	490	530	2,500J	24	170	17,000	980	23,000	1,500	6,200	3,500J
2,3,7,8-Tetrachloro-dibenzo-furan	2.5U	4.5	14	4.6	--	--	3.6	5.7	--	--	57	14	41	--	21J	52J
Tetrachloro-dibenzo-furan (Total)	11J	80J	130J	38J	16J	24J	38J	51J	1.2J	51J	410J	160J	650J	13J	410J	32J

TABLE 5 (Continued)

SUMMARY OF DIOXIN/FURAN SURFACE SOIL ANALYTICAL RESULTS
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA

ANALYTE (ng/kg)	SAMPLE NUMBER															
	Background		On Site													
	BDSS01	BDSS02	BDSS03	BDSS04	BDSS05	BDSS06	BDSS07	BDSS08	BDSS09	BDSS10	BDSS11	BDSS12	BDSS13	BDSS14	BDSS15	BDSS16
1,2,3,7,8-Pentachlorodibenzofuran	6.2U	--	--	17	11	24	19	22	2.7J	31	240	17	230	8.5	270	9.2
2,3,4,7,8-Pentachlorodibenzofuran	6.2U	3.4J	4.5J	1.9J	--	--	1.2J	5.8	--	--	31	9.5	59	3.1J	58	2.5J
Pentachlorodibenzofuran (Total)	3.6J	240J	240J	170J	84J	79J	99J	230J	13J	160J	1,100J	210J	1,200J	85J	1,400J	95J
1,2,3,6,7,8-Hexachlorodibenzofuran	6.2U	8.5	--	15	6.9	10	16	--	1.2J	--	--	--	--	3.6J	100J	7.7
2,3,4,6,7,8-Hexachlorodibenzofuran	6.2U	14	8.1	9.6	3.2J	2.4J	2.9J	11	--	--	--	--	39	5.8	9.2J	6.4
Hexachlorodibenzofuran (Total)	4.6J	220J	130J	110J	48J	36J	49J	89J	5.3J	57J	780J	97J	930J	99J	200J	120J
1,2,3,4,6,7,8-Heptachlorodibenzofuran	6.2U	110	140	97	80	15	44	120	2.3J	--	780	59	1,100	220	340	290
1,2,3,4,7,8,9-Heptachlorodibenzofuran	6.2U	3.7J	--	--	--	--	--	--	--	--	34	2.1J	54	2.8J	12J	3.7J
Heptachlorodibenzofuran (Total)	6.2UJ	110	360J	98J	380J	34J	68J	190J	3.5J	--	810J	61J	1,100J	220J	340J	290J
Octachlorodibenzofuran	5.0J	120	390	100	180	21	40	76	3.1J	9.1J	2,800	78	2,900	130	360	200
TEQ (Toxic Equiv. Value From I-111/89)	0.3	15J	44J	13	20J	4.0J	11J	17J	0.4J	2.0	160	15	210	12J	88J	19J

Notes

ng/kg Nanograms per kilogram

J Estimated value

R Rejected data

L Material analyzed for, but not detected. Number shown is the sample quantitation limit.

D Material analyzed for, but not detected.

Shaded areas indicate elevated concentrations of constituents.

4.2 SOURCE CONCLUSIONS

Based on the analytical results of on-site surface soil samples, surficial contamination is present at the Browns Dump site. Several inorganic contaminants were detected at elevated levels in many of the source samples and include aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, cyanide, iron, lead, magnesium, mercury, nickel, potassium, silver, sodium, vanadium, and zinc. Several extractable organic compounds were also detected in surface soil samples at elevated levels, including acenaphthlene, carbazole, fluorene, phenanthrene, anthracene, pyrene, fluoranthene, benzo(a)anthracene, chrysene, bis(2-ethylhexyl)phthalate, benzo(b and/or k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and many miscellaneous extractable compounds. Many pesticides were also detected at elevated levels at the site. In addition, PCBs were also detected at elevated levels. Several dioxin/furan compounds were also detected in several surface soil samples. Many sources of combustion, including both municipal and industrial incinerators, produce dioxins and furans. Contaminants that may be present in the incinerator ash include inorganic constituents, polynuclear aromatic hydrocarbons, PCBs, polychlorinated dibenz-p-dioxins, and polychlorinated dibenzofurans.

5.0 PATHWAYS

This section discusses the groundwater migration, surface water migration, soil exposure, and air migration pathways. Additionally, this section discusses the targets associated with each pathway and draws pathway-specific conclusions. Sample locations and analytical sample results for samples collected from the specific pathways are also discussed.

5.1 GROUNDWATER MIGRATION PATHWAY

Four groundwater samples were collected during the ESI. Sample locations are depicted on Figure 3 and described in Table 1. Groundwater sample inorganic analytical results are summarized in Table 6, following Section 5.1.4.

5.1.1 Groundwater and Hydrogeologic Setting

The following discusses the geologic and hydrogeologic setting, groundwater targets, and conclusions regarding the groundwater pathway. The hydrogeologic section has been modified from the 1996 FDEP Preliminary Assessment report (Ref. 12).

Jacksonville is located in the Eastern Valley (Jacksonville Basin) geomorphologic feature of the Northern (proximal) Physiographic Zone of Florida. The area is devoid of karst terrain. The local geologic section can be subdivided into three hydrostratigraphic units: the surficial aquifer system, the intermediate aquifer system/confining unit, and the Floridan aquifer system.

The surficial aquifer system consists of limestone and sand aquifers in the clayey sand and sandy clay late-Miocene-age Hawthorn Group confining beds; the shell, limestone and sand aquifers in the Pliocene or upper-Miocene-age deposits ("Rock" limestone aquifer); and the sand and shell aquifers in the Pleistocene- and Holocene-age deposits (surficial sand aquifer). These permeable zones are separated from one another by a number of thin, discontinuous confining beds. The surficial aquifer system sediments are 50 to 100 feet thick in Duval County.

The surficial sand aquifer (water-table zone) portion of the surficial aquifer system comprises of tan yellow, unconsolidated, fine-medium-grained quartz sand. These deposits are locally stained rusty brown and red from iron oxide. The deposits may contain thin, gray, sandy clay beds, which in some portions of the county contain mollusk shells, particularly near the Atlantic coast. Discontinuous layers of rusty brown hardpan (well-indurated iron oxide cemented sand) underlie some of the higher elevations (2 to 3 feet thick). This water-table zone is approximately 25 to 50 feet thick and the water table is found between 1 and 10 feet below land surface (bls). Recharge to the water-table zone is primarily from local rainfall. The water-table zone of the surficial aquifer system is used for limited lawn irrigation, stock, and domestic uses.

The surficial deposits are underlain by upper Miocene- or Pliocene-age sediments composed of sand, shell, sandy clay, and limestone. These sediments are usually tan, buff, or light gray and are differentiated from Hawthorn Group deposits by their lighter colors and lack of phosphate. The lower part of these deposits comprises tan to yellow, often sandy, porous, bioclastic, and cavernous limestone. The limestone is often interbedded by a few thin beds of brown, crystalline, dolomitic limestone. This

limestone "Rock" aquifer is commonly 40 to 100 feet bls in Duval County. The "Rock" limestone aquifer is the major water-yielding zone in the surficial aquifer system and is tapped by numerous private and small community supply wells in Duval County. Well yields from the limestone unit average 30 to 100 gallons per minute (gpm) with peaks as high as 200 gpm. This limestone unit is overlain by lower-permeability sediments consisting of fine to medium, well-sorted sand interbedded with layers of gray-green silty clay, clayey sand, and shell. These beds provide an upper semiconfining bed for the "Rock" limestone aquifer. Water level elevations of the water table zone and the limestone unit are similar; however, when water levels in the water table aquifer are higher than those of the limestone unit, a downward potential, albeit small, may exist.

The upper Miocene or Pliocene deposits are underlain by the middle Miocene-age Hawthorn Group. The upper portion of the Hawthorn comprises gray to blue-green and olive-green clay, sandy clay, and sandy, phosphatic limestone. Abundant, well-rounded, polished, granules and pebbles of phosphate commonly are present. Some wells tap lenses of sand and limestone in the upper part of the Hawthorn, but the Hawthorn is not considered a good source of water.

The surficial aquifer system is underlain by the intermediate aquifer system/confining unit, which comprises between 250 to 500 feet of phosphatic carbonates, clay, silt, fine-grained sand and shelly marl of the Hawthorn Group. The Hawthorn Group in Duval County consists of, in descending order, the Coosawhatchie Formation (including the Charlton Member), Marks Head Formation, and the Penny Farms Formation. Low-permeability silty clay and clay sediments of the Hawthorn provide a confining unit between the surficial aquifer system and the underlying Floridan aquifer system. However, a coarse- to very coarse-grained pebbly sand unit within the Hawthorn is tapped by wells approximately 140 to 165 feet deep. Wells in this zone will yield at least 20 gpm. This permeable unit exists in portions of eastern Duval County (Mayport to Ponte Vedra).

The Floridan aquifer system is the principal source of fresh water in the area and is found under artesian conditions between 500 to 550 feet bls in the metropolitan Jacksonville area. The Floridan aquifer system comprises limestones, dolomitic limestones, and dolomites of Eocene to early Miocene age. The Floridan aquifer system consists of, in ascending order, the Avon Park Formation, the Ocala Limestone, and a few discontinuous, thin aquifers in the Hawthorn Group that are hydraulically connected to the rest of the aquifer. The potentiometric surface of the Floridan aquifer system is between 20 to 40 feet above mean sea level in eastern Duval County. Regional flow direction within the Floridan aquifer

system is to the east-northeast. The City of Jacksonville municipal water supply system is derived from wells that tap the Floridan aquifer system 1,000 to 1,500 feet deep. Due to the considerable thickness and low permeability of the upper Floridan aquifer confining beds and the high potentiometric surface elevation of the Floridan aquifer system, generally no recharge of the Floridan aquifer system takes place in the Jacksonville area.

5.1.2 Groundwater Sample Locations and Analytical Results

Groundwater sample BD-MW-01 was collected from the elementary school playground in an area that was not thought to be affected by landfill activities, and BD-MW-04 was collected from a monitoring well adjacent to the Bessie Circle cul-de-sac. Samples BD-MW-05 and BD-MW-06 were collected from the northern outskirts of the elementary school property. All groundwater samples were collected from monitoring wells installed in the surficial aquifer during the contamination assessment investigation. All wells were similar at comparable depths (Ref 4, Table 8).

Organic contaminants were not detected in the groundwater samples collected; however, several inorganic contaminants were detected. The following inorganic contaminants were detected at elevated levels in the groundwater samples: aluminum, arsenic, barium, cadmium, calcium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, sodium, vanadium, and zinc (see Table 6). All of the above-mentioned, with the exception of manganese, were also detected in surface soil samples; therefore, these contaminants are considered to be attributable to the site. Analytical data are presented as Attachment A.

Additionally, field pH, conductivity, temperature, and turbidity measurements were attempted at all groundwater sample locations during the START investigation, and START personnel recorded all measurements in the field log book (Refs. 7; 8). The turbidity instrument was malfunctioning at some locations; therefore, turbidity was not recorded at these locations. Groundwater measurements are presented in Table 7.

5.1.3 Groundwater Targets

Potable water within the site's 4-mile radius is provided by the Jacksonville Public Utilities (JPU) water well system as well as community and private wells. The JPU provides potable water to a total of 161,108 residences (or 409,214 residents, assuming a 2.54 population multiplier for Duval County,

RC 8/24/99
CORRECTION:
units: $\mu\text{g/L}$)

TABLE 6

SUMMARY OF INORGANIC GROUNDWATER ANALYTICAL RESULTS
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA

ANALYTE (mg/L)	SAMPLE NUMBER			
	Background		On Site	
	BDMW01	BDMW04	BDMW05	BDMW06
Aluminum	32	180	370	420
Arsenic	2U	--	20	--
Barium	24	75	230	120
Cadmium	1U	--	5	21
Calcium	2,500	38,000	87,000	79,000
Cobalt	2U	--	71	--
Copper	4U	17	32	27
Iron	12UJ	28,000J	9,300J	12,000J
Lead	3U	29	73	64
Magnesium	1,200	11,000	13,000	25,000
Manganese	5J	150	2,100	75
Nickel	4U	--	19J	--
Potassium	2,000J	8,400J	16,000J	58,000J
Sodium	2,500	28,000	13,000	38,000
Vanadium	2U	--	--	2J
Zinc	20U	110	910	330

Notes:

- mg/L Milligrams per liter
- J Estimated value
- U Material analyzed for, but not detected. Number shown is the sample quantitation limit.
- R Rejected data
- Material analyzed for, but not detected.
- Shaded areas indicate elevated concentrations of constituents.

TABLE 7
SUMMARY OF FIELD MEASUREMENTS OF GROUNDWATER SAMPLES
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA

Sample Code	pH	Conductivity (umhos/cm)	Temperature (Celsius)	Turbidity (NTU)*
BD-MW-01	5.1	0.04	26	-
BD-MW-04	5.9	0.46	25	15
BD-MW-05	6.8	0.56	25	-
BD-MW-06	7.1	0.8	24	16

Notes:

NTU - Nephelometric Turbidity Units

* - At some areas, the turbidity meter was not reading correctly.

Florida) (Refs. 13; 14; 15). JPU maintains 29 wells within a 4-mile radius of the Brown's Dump site (Refs. 1; 14). JPU wells are approximately 600 to 3,000 feet deep and are completed in the Floridan aquifer (Ref. 16). The closest JPU well is located approximately 2,200 feet south of the site (Ref. 1). All JPU wells are equally apportioned (Ref. 17). Magnolia Gardens, a small community water system, also maintains 1 well serving 703 residences, or 1,786 residents (Ref. 18). Lake Forest, a second community water system, maintains 1 well serving 803 residences, or 2,134 residents (Ref. 18). All municipal wells are screened in the Floridan aquifer (Ref. 18).

Private well usage in the study area was obtained through a U.S. Bureau of the Census study compilation report (Ref. 19). There are approximately 8,287 residents obtaining potable water from private wells located within a 4-mile radius of the site (Ref. 19). The following number of people obtain water from private wells located within the study area: 0 - 0.25 mile, 21 persons; 0.25 - 0.50 mile, 153 persons; 0.50 - 1 mile, 737 persons; 1 - 2 miles, 952 persons; 2 - 3 miles, 2,514 persons; 3 - 4 miles, 3,910 persons (Ref. 19).

5.1.4 Groundwater Conclusions

Numerous inorganic contaminants typical of those detected in incinerator ash were detected in the

groundwater samples. These contaminants include: aluminum, arsenic, barium, cadmium, calcium, cobalt, copper, iron, lead, magnesium, nickel, potassium, sodium, vanadium, and zinc. The contaminants detected at elevated levels in the groundwater samples were also detected in surface soil samples. Therefore, these contaminants are considered to be attributable to the site. Additionally, numerous groundwater users are located within the site's 4-mile radius; therefore the groundwater pathway is of concern.

5.2 SURFACE WATER MIGRATION PATHWAY

The following sections discuss the hydrologic setting, surface water targets, and conclusions regarding the surface water migration pathway. Four surface water and four sediment samples were collected on Moncrief Creek during the ESI. Sample locations are depicted on Figure 3 and described in Table 1. Surface water and sediment sample analytical results are summarized in Tables 8, 9, and 10, following Section 5.2.4.

5.2.1 Hydrologic Setting

Drainage from the Browns Dump site generally flows northward overland into Moncrief Creek. Moncrief Creek flows north/northeast approximately 3.5 miles into Trout River. The Trout River flows southeast approximately 1.5 miles, where it converges with the St. Johns River (Ref. 1). The 15-mile surface water pathway is completed in the St. Johns River, which has a net average annual flow rate of 6,105 cubic feet per second. Both the Trout and the St. Johns Rivers are tidally influenced in the area of the site; therefore, stream flow rates for these water bodies are highly variable (Ref. 20). Moncrief Creek was not observed to be influenced by tides (Refs. 7; 8).

5.2.2 Surface Water and Sediment Sampling Locations and Analytical Results

To characterize contaminants in the surface water of Moncrief Creek, one co-located background surface water and sediment sample was collected from Moncrief Creek upgradient of landfilling activities. Additionally, three co-located surface water and sediment samples were taken in the area thought to be impacted by landfilling activities. Surface water and sediment sampling locations are shown on Figure 3 and described in Table 1.

Elevated concentrations of several inorganic contaminants were detected in sediment samples that were collected on Moncrief Creek; however, the only inorganic contaminant detected at elevated levels in the surface water samples was zinc. Methylethyl ketone (MEK) was detected in surface water sample BD-SW-03. However, MEK is a common laboratory contaminant and is not thought to be attributable to site operations. Inorganic surface water sample analytical results are presented in Table 8. Organic sediment analytical results are shown in Table 10.

Sediment samples revealed the presence of several inorganic constituents. Aluminum, antimony, arsenic, barium, cadmium, chromium, cobalt, copper, cyanide, iron, lead, magnesium, manganese, mercury, nickel, potassium, silver, sodium, vanadium, and zinc were detected in sediment samples at elevated levels. Cadmium was detected in BD-SD-03 and BD-SD-04 at 0.30J mg/kg and 3.7 mg/kg, respectively. Chromium was detected at levels ranging from 14J mg/kg in sample BD-SD-03 to 28J mg/kg in sample BD-SD-04. Mercury was detected in sample BD-SD-04 at 0.62 mg/kg. Inorganic sediment analytical results are shown in Table 9.

Several extractable organic and pesticide contaminants were also detected at elevated levels in sediment samples. These include chrysene, phenanthrene, fluoranthene, benzo(a)anthracene, benzo(b and/or k)fluoranthene, lindane, heptachlor, aldrin, dieldrin, endrin, and 4'4'-DDD. Phenanthrene was detected in sample BD-SD-04 at 1,200 ug/kg. Benzo(a)pyrene was detected in sample BD-SD-04 at 790 ug/kg.

All of the elevated contaminants detected in the sediment samples, with the exception of the pesticides lindane, heptachlor, and endrin, were also detected in surface soil samples. Therefore, these contaminants are considered to be attributable to the site. Analytical data are presented as Attachment A.

Correction:

REC 8/24/99

TABLE 8
SUMMARY OF INORGANIC SURFACE WATER ANALYTICAL RESULTS
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA

units = $\mu\text{g/L}$)

ANALYTE ($\mu\text{g/L}$)	SAMPLE NUMBER			
	Background		On Site	
	BDSW01	BDSW02	BDSW03	BDSW04
Aluminum	36	28	70	57
Antimony	5UR	--	--	--
Arsenic	16	12	11	--
Barium	43	37	42	50
Calcium	53,000	45,000	50,000	54,000
Chromium	6J	4J	4J	3J
Iron	650J	540J	640J	520J
Lead	3	4	--	3
Magnesium	12,000	9,900	9,200	9,000
Manganese	27	25	25	27
Potassium	2,900J	3,100J	3,300J	3,400J
Sodium	14,000	170,000	13,000	12,000
Zinc	24	22	20	100

Notes:

mg/L Milligrams per liter

J Estimated value

U Material analyzed for, but not detected. Number shown is the sample quantitation limit.

R Rejected data

-- Materials analyzed for, but not detected.

Shaded areas indicate elevated concentrations of constituents

TABLE 9

SUMMARY OF INORGANIC SEDIMENT ANALYTICAL RESULTS
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA

ANALYTE (mg/kg)	SAMPLE NUMBER			
	Background		Downgradient	
	BDS01	BDS02	BDS03	BDS04
Aluminum	420	200	730	3,300
Antimony	1.2UR	--	--	6.8J
Arsenic	1U	--	--	5.8
Barium	5.9	3.9	10	180
Cadmium	0.08U	--	0.30J	3.7
Calcium	1,800	1,500	2,900	4,200
Chromium	2J	2.2J	14J	28J
Cobalt	0.37U	--	--	4.1J
Copper	7	9	19	190
Cyanide	0.16U	--	--	1.4
Iron	940J	410J	1,700J	49,000J
Lead	10J	11J	30J	760JN
Magnesium	100U	--	190	1,100
Manganese	4.9J	4.2J	10J	30J
Mercury (Total)	0.07U	--	--	0.62
Nickel	0.94U	--	--	25
Potassium	70UJ	--	170J	330J
Silver	0.21U	--	--	1.8J
Sodium	40U	--	49J	160J
Vanadium	1.6J	1.1J	3J	7.7J
Zinc	17	17	69	810

Notes:

mg/kg Milligrams per kilogram

R Rejected data

J Estimated value

N Presumptive evidence of material

U Material analyzed for, but not detected. Number shown is the sample quantitation limit.

-- Material analyzed for, but not detected.

Shaded areas indicate elevated concentrations of constituents.

TABLE 10

**SUMMARY OF ORGANIC SEDIMENT ANALYTICAL RESULTS
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA**

ANALYTE ($\mu\text{g}/\text{kg}$)	SAMPLE NUMBER			
	Background		Downgradient	
	BDSD01	BDSD02	BDSD03	BDSD04
Pesticides/PCBs				
4,4'-DDT	4.1U	--	11N	--
Endosulfan	0.68J	--	--	--
Gamma-BHC (Lindane)	2.1U	--	10	--
Heptachlor	2.1U	--	11	--
Aldrin	2.1U	--	9.7	--
Dieldrin	0.45JN	--	9.7	--
Endrin	4.1U	--	7.3J	0.96J
4'4'-DDD(P,P'-DDD)	4.1U	--	12	6.7N
Extractable Organic Compounds				
Phenanthrene	59J	--	--	1,200
Fluoranthene	300J	--	--	2,000
Benzo(b and/or k)fluoranthene	170J	--	--	780J
Benzo(a)anthracene	170J	--	--	790
Benzo(a)pyrene	91J	--	--	400J
Indeno(1,2,3-cd)pyrene	44J	--	--	230J
Pyrene	240J	--	--	1,500J
Carbazole	410UJ	--	--	100J

TABLE 10 (Continued)

SUMMARY OF ORGANIC SEDIMENT ANALYTICAL RESULTS
BROWNS DUMP
JACKSONVILLE, DUVAL COUNTY, FLORIDA

ANALYTE ($\mu\text{g}/\text{kg}$)	SAMPLE NUMBER			
	Background		Downgradient	
	BDSD01	BDSD02	BDSD03	BDSD04
Extractable Organic Compounds (Continued)				
Anthracene	410UJ	--	--	200J
Dibenz(a,h)anthracene	410UJ	--	--	93J
Benzo(g,h,i)perylene	410UJ	--	--	230J
Chrysene	150J	--	--	680
Methylanthracene (2 Isomers)	NA	NA	NA	300JN
Dimethylphenanthrene	NA	NA	NA	100JN
Benzopyrene (Not A, 2 Isomers)	NA	NA	NA	400JN
1 Unidentified Compound	NA	NA	NA	500J

Notes:

- $\mu\text{g}/\text{kg}$ Micrograms per kilogram
- PCB Polychlorinated Biphenyls
- J Estimated value
- N Presumptive evidence of material
- R Rejected data
- U Material was analyzed for, but not detected. Number shown is the sample quantitation limit.
- NA Not analyzed for analytes
- Material analyzed for, but not detected.

Shaded areas indicate elevated concentrations of constituents.

5.2.3 Surface Water Targets

There are no known surface water intakes located along the surface water pathway. Moncrief Creek, Trout River, and St. Johns River are all designated recreational fishing areas (Ref. 20). Additionally, the federally endangered West Indian manatee (Trichechus manatus latirostris) and the shortnose sturgeon (Acipenser brevirostrum) inhabit the St. Johns River (Ref. 20).

Several acres of wetland frontage is also located on rivers along the 15-mile surface water pathway. An estimated 25 acres is located along Moncrief Creek, 5 acres along the Trout River, and 25 acres along the St. Johns River (Ref. 1).

5.2.4 Surface Water Conclusions

Several contaminants consistent with those found in incinerator ash were detected on site and in sediment and surface water samples collected from Moncrief Creek. These include the inorganic constituents aluminum, antimony, arsenic, barium, cadmium, chromium, cobalt, copper, cyanide, iron, lead, magnesium, manganese, mercury, nickel, potassium, silver, sodium, vanadium, and zinc. Extractable organic and pesticide/PCB contaminants including chrysene, phenanthrene, fluoranthene, benzo(a)anthracene, benzo(b and/or k)fluoranthene, aldrin, dieldrin, and 4'4'-DDD were also detected in sediment samples. All of the contaminants were also detected in the surface soil samples collected on site; therefore, these contaminants are considered to be attributable to site operations. Due to the presence of mercury at elevated levels in Moncrief Creek, a recreational fishery, the surface water pathway is of concern at the site. Additionally, there are wetlands along the 15-mile surface water pathway, and the St. Johns River is a critical habitat for two endangered species.

5.3 SOIL EXPOSURE PATHWAY AND AIR MIGRATION PATHWAY

The following sections discuss the physical conditions of the soil, sample locations and analytical results, soil and air targets, and conclusions regarding the soil exposure and air migration pathways.

5.3.1 Physical Conditions

The Browns Dump site is an approximate 50-acre site located in a residential area of an industrial city

(Refs. 1; 2, p. 1-2). Situated within those 50 acres is an elementary school that occupies 14 acres, and several single- or multiple-family residences. Some restrictive fencing has been used to limit access to areas of known contamination. However, some areas of contamination are located outside the fenced perimeter, and breeches in the restrictive fence were present during the ESI. In addition, a garden project area is located between two school buildings. Until further evaluation can be made by the proper health agencies, any excavation activities, or the cultivation of a garden on school property should be discontinued.

5.3.2 Soil Sample Locations and Analytical Results

During the field investigation, soil samples were collected from on-site areas, which included the elementary school and residential areas. Surface soil sample BD-SS-01 was collected as a background sample from an area that was not thought to have been affected by the landfill activities.

Organic vapor analyzers were used for on-site safety monitoring during sampling activities. No readings were noted above background levels while performing air monitoring activities.

Lead and tetrachlorodibenzodioxin, both consistent with constituents commonly found in incinerator ash, are the primary contaminants of concern. They were detected at elevated levels in several elementary school and residential surface soil samples. Several other inorganic and organic contaminants were also detected at elevated levels in many of the surface soil samples. These constituents include: aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, cyanide, iron, lead, magnesium, mercury, nickel, potassium, silver, sodium, vanadium, and zinc. Extractable organic compounds found in on-site soils include: acenaphthylene, carbazole, fluorene, phenanthrene, anthracene, pyrene, fluoranthene, benzo(a)anthracene, chrysene, bis(2-ethylhexyl)phthalate, benzo(b and/or k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and many miscellaneous extractable compounds. Pesticides and PCBs were also detected at elevated levels. Several dioxin/furan compounds were detected in several of the surface soil samples. Surface soil analytical results are summarized in Tables 2, 3, 4, and 5. Surface soil sample locations are illustrated on Figure 3. Analytical data are presented as Attachment A.

5.3.3 Soil and Air Targets

Approximately 700 students attend school at the Mary McLeod Bethune Elementary School, which is located on site and within 200 feet of contamination (Ref. 21). Additionally, the school employs 71 employees. Approximately four residences and two apartment complexes are also located on site and within 200 feet of contamination. Based on field observations, it was assumed that each apartment complex had 20 units. Therefore, based on the Duval County multiplier of 2.54 people per household, 112 persons reside on site and within 200 feet of observed contamination. The estimated population within 4 miles of the site is distributed as follows: 0-0.25 mile, 21 persons; 0.25-0.50 mile, 153 persons; 0.50-1 mile, 737 persons; 1-2 miles, 952 persons; 2-3 miles, 2,514 persons; and 3-4 miles, 43,670 persons (Ref. 19). The nearest resident is located on site.

Several federally designated endangered and/or threatened species are known to inhabit central regions of the entire state of Florida; however, their exact habitat locations are not known (Ref. 22). Approximately 50 acres of wetlands are located within 4 miles of the site (Ref. 1).

5.3.4 Soil and Air Conclusions

The soil exposure pathway is the primary pathway of concern at the Browns Dump site due to the elementary school and residences located on site and within 200 feet of contaminated areas. Many contaminants typical of those found in incinerator ash, including lead, TCDD, arsenic, antimony, and benzo(a)pyrene, were detected at elevated levels in the surface soil samples.

Airborne contamination is of limited concern at this site due to the vegetative or asphalt cover over most of the source and because the majority of the contaminants have a low volatility.

6.0 SUMMARY AND CONCLUSIONS

The ESI for the Browns Dump was performed to gather information necessary to evaluate the site for further action under CERCLA and SARA. A total of 28 samples was collected during the field investigation during the week of July 7, 1997, to characterize the nature of contamination at the site and to determine if the contamination has migrated from the site. Information obtained for this ESI confirms much of the information that has been provided about the site through numerous past investigations.

Analytical results from the environmental samples indicate that surface soil, sediment, surface water, and groundwater have been impacted by releases originating from the landfill.

Inorganic constituents attributable to the site were detected in several groundwater samples. Thirty-one public drinking water wells completed in the Floridan aquifer and serving a total of 95,933 people are located within the site's 4-mile radius. Additionally, many people utilize private drinking water wells within the site's 4-mile radius. Therefore, the groundwater pathway is of significant concern at the site.

Analytical results of sediment samples collected from Moncrief Creek indicate elevated levels of site-attributable contaminants. Moncrief Creek, the Trout River, and the St. Johns River are known fisheries and the habitat for federally endangered species. Therefore, the surface water migration pathway is also of concern at the site.

Surface soil samples collected at the elementary school and in residential areas have indicated elevated levels of site-attributable contaminants. The soil exposure pathway is the primary concern at the Browns Dump site due to the school and residents. The air migration pathway is of limited concern due to the low volatility of many of the contaminants and the vegetative or asphalt cover on most of the property.

Based on the analytical results of the START ESI, further action is recommended for the Browns Dump site.

REFERENCES

1. U.S. Geological Survey. 7.5-minute Quadrangle Maps of Florida. Arlington 1963 (Photorevised [PR] 1992). Dinsmore 1964 (PR 1984). Eastport (PR 1992). Jacksonville (PR 1992). Marietta 1964 (PR 1992). Trout River 1964 (PR 1982). Scale 1:24,000
2. EMCON. 1996. "Health Evaluation of Browns Dump." Prepared for the City of Jacksonville. Project 71286-001.090. July.
3. U.S. Environmental Protection Agency. 1995. "Site Investigaiton of Browns Dump." Roy F. Weston, Inc. EPA Technical Assisstance Team, May 16.
4. EMCON. 1995. "Contamination Assessemnt Report." Prepared for the Duval County School Board. Project 71355.020.010.0003. November.
5. U.S. Department of Commerce. Climatic Atlas of the United States. (Washington D.C.: Government Printing Office [GPO], June 1968) Reprint: 1983, National Oceanic and Atmospheric Administration, excerpt. 4 pages.
6. U.S. Department of Commerce. Rainfall Frequency Atlas of the United States, Technical Paper Number 40 (Washington, D.C.: GPO, 1961), excerpt 3 pages.
7. PRC Environmental Management, Inc (PRC). 1997. Field Logbook for Site Investigation at Browns Dump. Volume I. July 8 through 10.
8. PRC. 1977. Field Logbook for Site Investigation at Browns Dump. Volume II. July 8 through 10.
9. EPA. 1985. "Preliminary Assessment, Browns Dump." September 10.
10. EPA. 1985. "Site Screening Investigation, Browns Dump." Environmental Services Division Project Number 86E-168. November.
11. PRC. 1997. "Site-Specific Sampling Plan for Browns Dump." Prepared for EPA. May.
12. Florida Department of Environmental Protection. 1996. Preliminary Assessment Report, 5th and Cleveland Incinerator, AKA: Emmett Reed Park & Community Center, Duval County, Florida. By James McCarthy, Jr., Division of Waste Management. October 31.
13. Black & Veatch. 1995. Record of Telephone Conversation Regarding the Jacksonville Public Utilities (JPU) Service Connections. Between Lesley Keck, Black & Veatch, and Ray Turknett, JPU. December 12.
14. JPU. 1995. City of Jacksonville, Water Division North and South Grid Water Treatment Facility and Well Locations. October.

REFERENCES (continued)

15. U.S. Department of Commerce. 1990. Census of Population and Housing, Summary Population and Housing Characteristics, Florida. Issued August 1991.
16. NUS Corporation. 1991. Memorandum to Julie Keller, NUS Corporation, and Attachment Regarding the JPU Service Area, Well Locations, and Depths. February 8.
17. Black & Veatch. 1995. Memorandum to File Regarding the JPU Well Apportionment. From Lesley Keck, Black & Veatch. December 20.
18. Black & Veatch. 1995. Letter and attachments to Lesley Keck, Black & Veatch, from Rusty Newman of United Water Florida. Regarding the Well Locations and Service of United Water Florida. December 18.
19. Frost Associates. 1997. CENTRACTS Population and Water Well Report for the 4-mile Radius Surrounding the Browns Dump Site, Jacksonville, Florida. April 7.
20. PRC. 1997. Record of Telephone Conversation Between Kristen Lombard, PRC, and Jerry Krummrich, Florida Game and Fish Commission. October 27.
21. PRC. 1997. Record of Telephone Conversation Between Kristen Lombard, PRC, and Mary Maddox, Mary Beth McLeod Elementary School. October 14.
22. U.S. Fish and Wildlife Service. 1992. Endangered and Threatened Species of the Southeastern United States (The Red Book). Introduction Section, Volume 1. January.

1 10 0043

APPENDIX A
PHOTOGRAPH DOCUMENTATION LOG
(14 Pages)



OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Mary Bethune McLeod Elementary School playground, adjacent to sample location BD-SS-10.

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: West

TDD Number: 04-9703-0005 **Date:** July 7, 1997

Photographer: David Brown, START **Witness:** Kristen Lombard, START



**OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY**

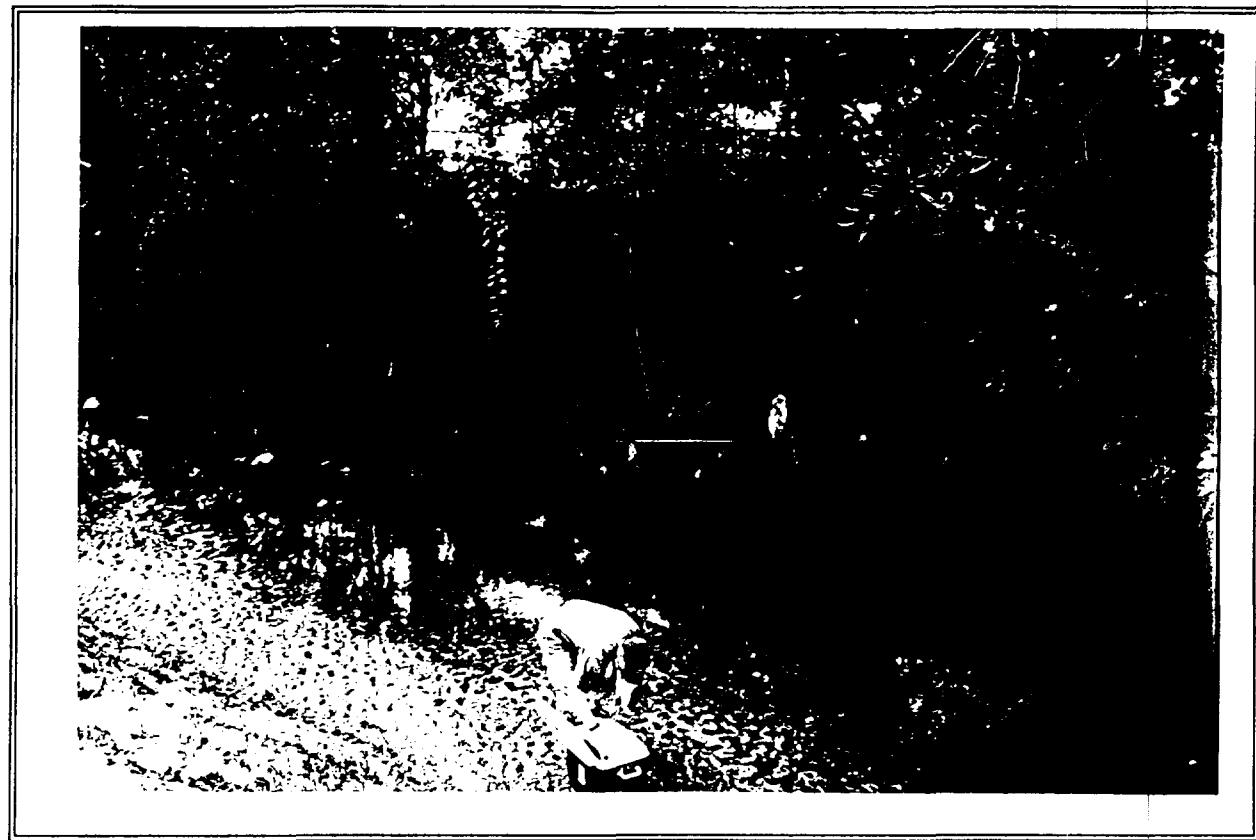
Subject: Sample collection location BD-SS-09, adjacent to the elementary school basketball court.

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: East

TDD Number: 04-9703-0005 **Date:** July 8, 1997

Photographer: Pete Lowery, START **Witness:** David Brown, START



**OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY**

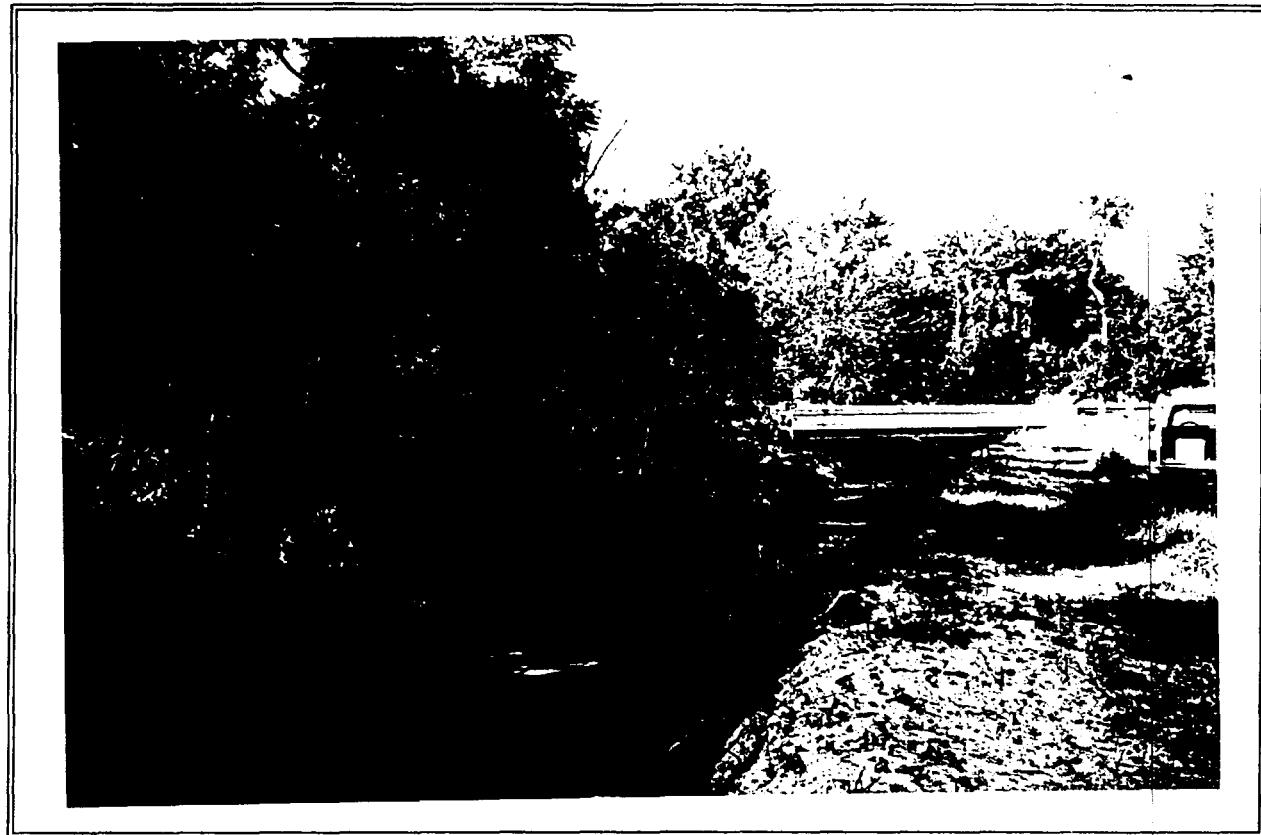
Subject: Sample location BD-SD-02, on Moncrief Creek.

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: West

TDD Number: 04-9703-0005 **Date:** July 8, 1997

Photographer: Kristen Lombard, START **Witness:** David Brown, START



**OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY**

Subject: Moncrief Creek from sampling location BD-SD-02.

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: West

TDD Number: 04-9703-0005 **Date:** July 8, 1997

Photographer: Kristen Lombard, START **Witness:** David Brown, START



**OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY**

Subject: Sample location BD-SS-11, beyond the Emergency Response Branch fence line,

Location: Browns Dump
Jacksonville, Duval County, Florida

Orientation: South

TDD Number: 04-9703-0005 **Date:** July 8, 1997

Photographer: Kristen Lombard, START **Witness:** David Brown, START



**OFFICIAL PHOTOGRAPH NO. 6
U.S. ENVIRONMENTAL PROTECTION AGENCY**

Subject: Sample location BD-SS-12, collected at the edge of the elementary school property.

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: North

TDD Number: 04-9703-0005 **Date:** July 7, 1997

Photographer: Kristen Lombard, START **Witness:** Pete Lowery, START



**OFFICIAL PHOTOGRAPH NO. 7
U.S. ENVIRONMENTAL PROTECTION AGENCY**

Subject: Sample location BD-SS-02, at Moncrief Creek Village Apartments

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: Northeast

TDD Number: 04-9703-0005 **Date:** July 8, 1997

Photographer: Kristen Lombard, START **Witness:** David Brown, START

1 10 0051



**OFFICIAL PHOTOGRAPH NO. 8
U.S. ENVIRONMENTAL PROTECTION AGENCY**

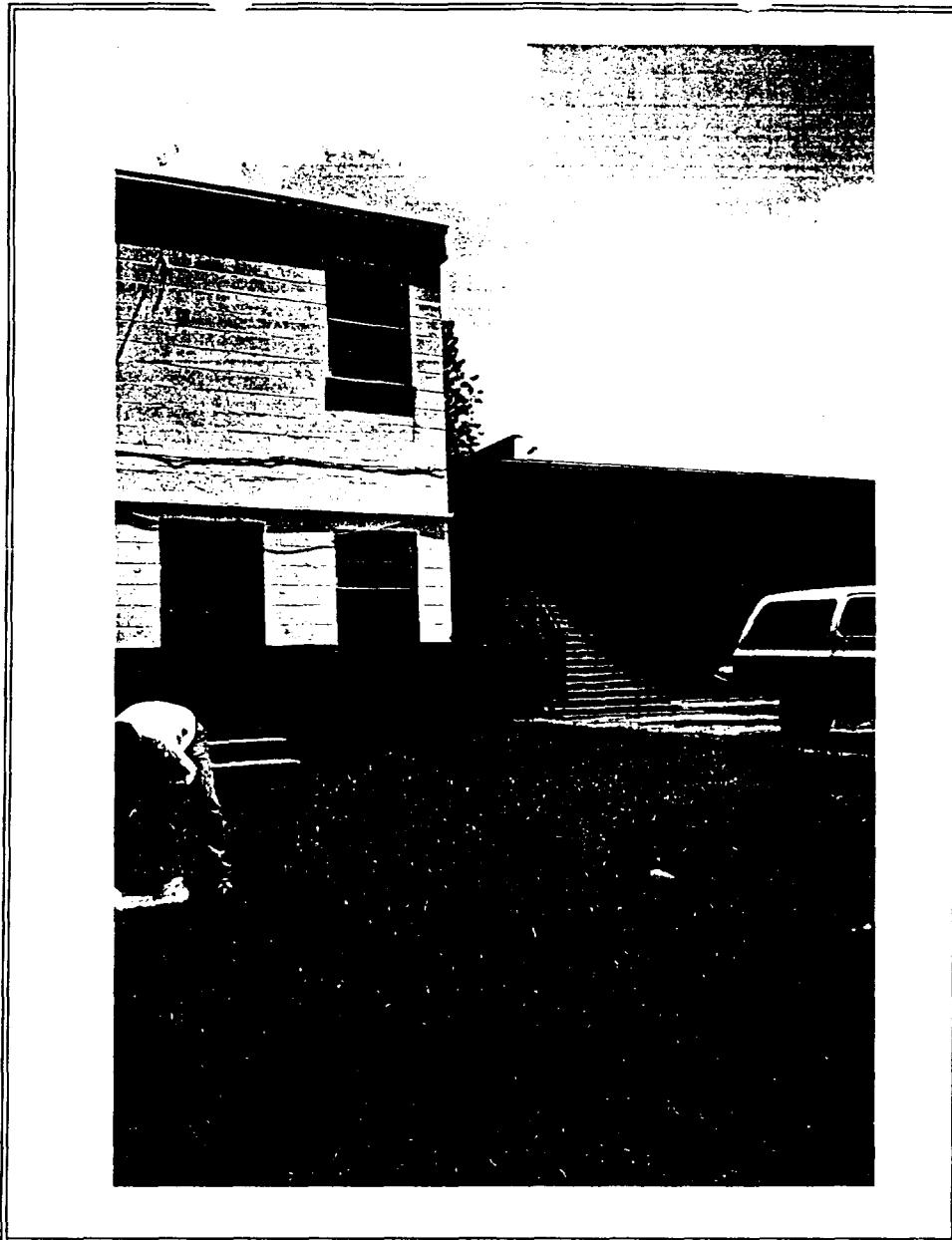
Subject: Sample location BD-SS-13,

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: West

TDD Number: 04-9703-0005 **Date:** July 8, 1997

Photographer: Kristen Lombard, START **Witness:** David Brown, START



**OFFICIAL PHOTOGRAPH NO. 9
U.S. ENVIRONMENTAL PROTECTION AGENCY**

Subject: Sample location BD-SS-14, in the yard of Bessie Circle Apartments, approximately 8 feet west of the building.

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: East

TDD Number: 04-9703-0005 **Date:** July 8, 1997

Photographer: Kristen Lombard, START **Witness:** David Brown, START



**OFFICIAL PHOTOGRAPH NO. 10
U.S. ENVIRONMENTAL PROTECTION AGENCY**

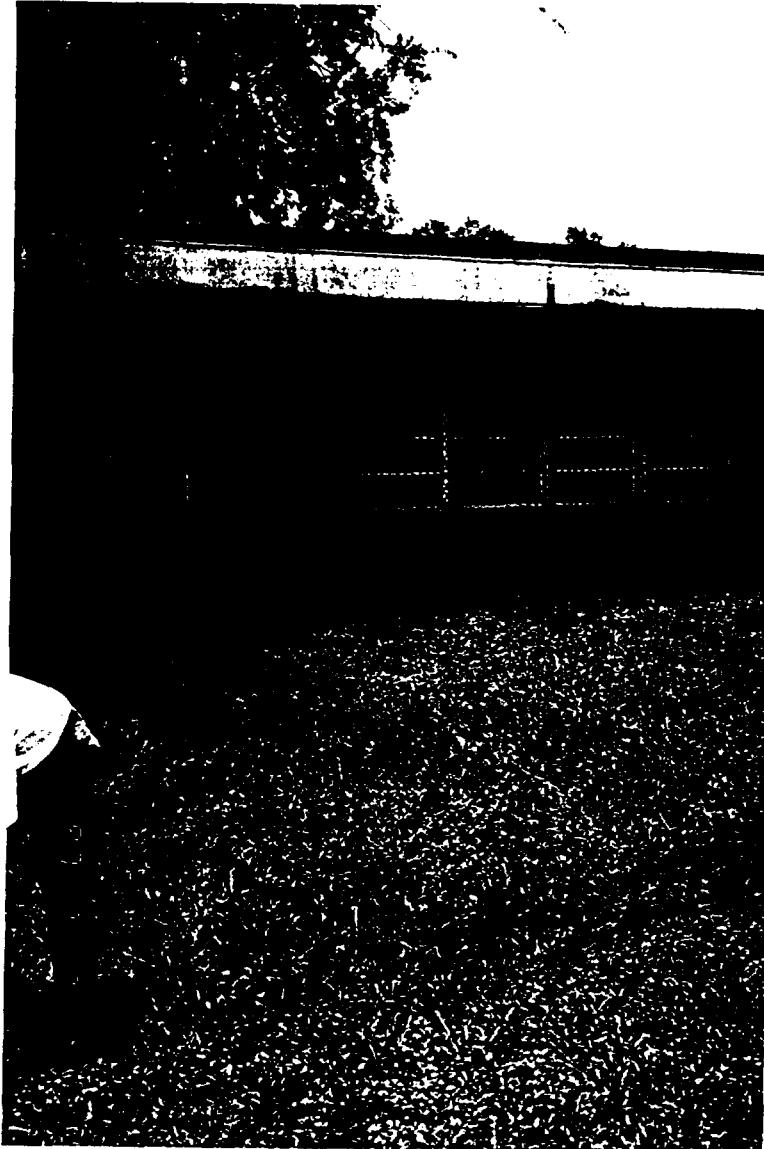
Subject: Sample location BD-SS-16, in the yard of Bessie Circle Apartments, approximately northwest of the building.

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: West

TDD Number: 04-9703-0005 **Date:** July 8, 1997

Photographer: Kristen Lombard, START **Witness:** David Brown, START



**OFFICIAL PHOTOGRAPH NO. 11
U.S. ENVIRONMENTAL PROTECTION AGENCY**

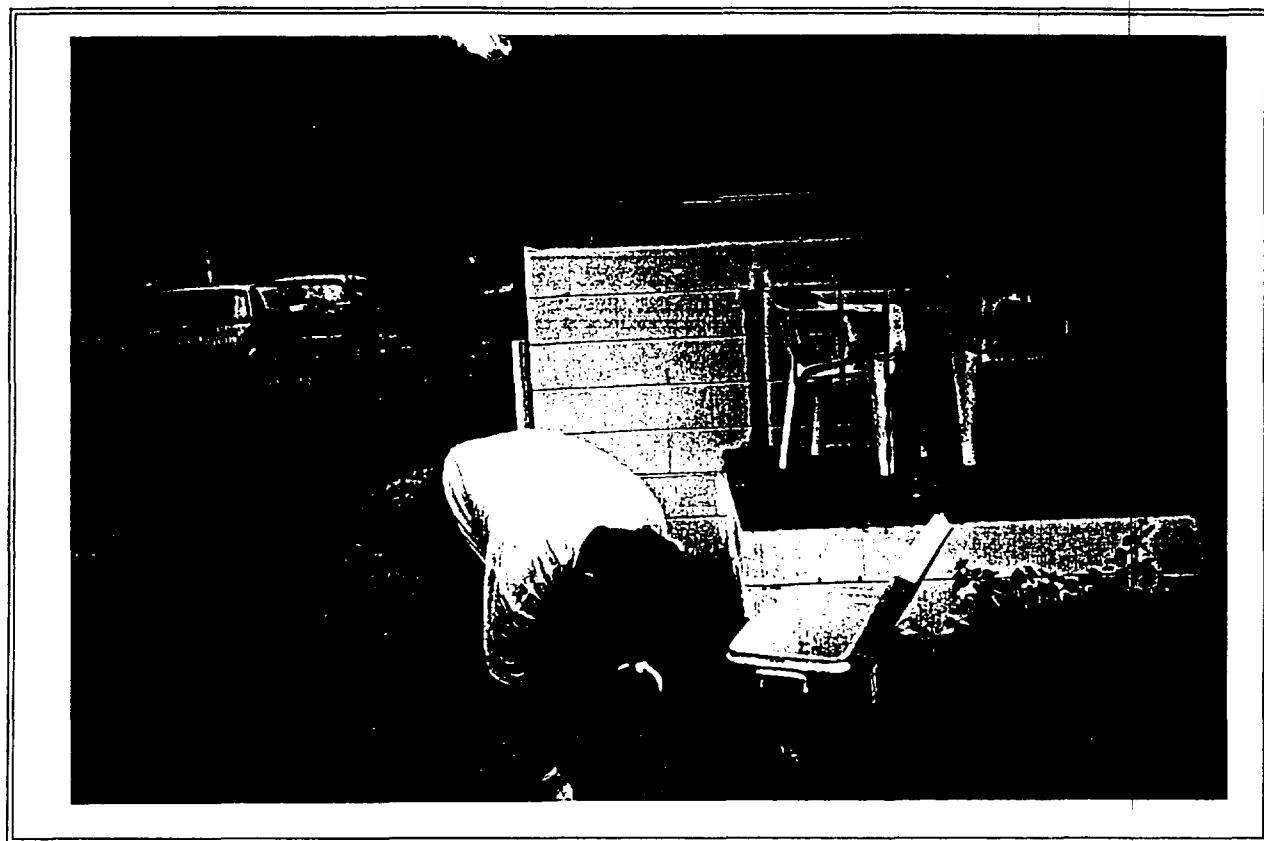
Subject: Sample location BD-SS-15, 10 feet beyond the ERB fence line at the elementary school.

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: South

TDD Number: 04-9703-0005 **Date:** July 8, 1997

Photographer: Kristen Lombard, START **Witness:** David Brown, START



**OFFICIAL PHOTOGRAPH NO. 12
U.S. ENVIRONMENTAL PROTECTION AGENCY**

Subject: Sample BD-SS-05,

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: Northeast

TDD Number: 04-9703-0005 **Date:** July 8, 1997

Photographer: Kristen Lombard, START **Witness:** David Brown, START



OFFICIAL PHOTOGRAPH NO. 13
U.S. ENVIRONMENTAL PROTECTION AGENCY

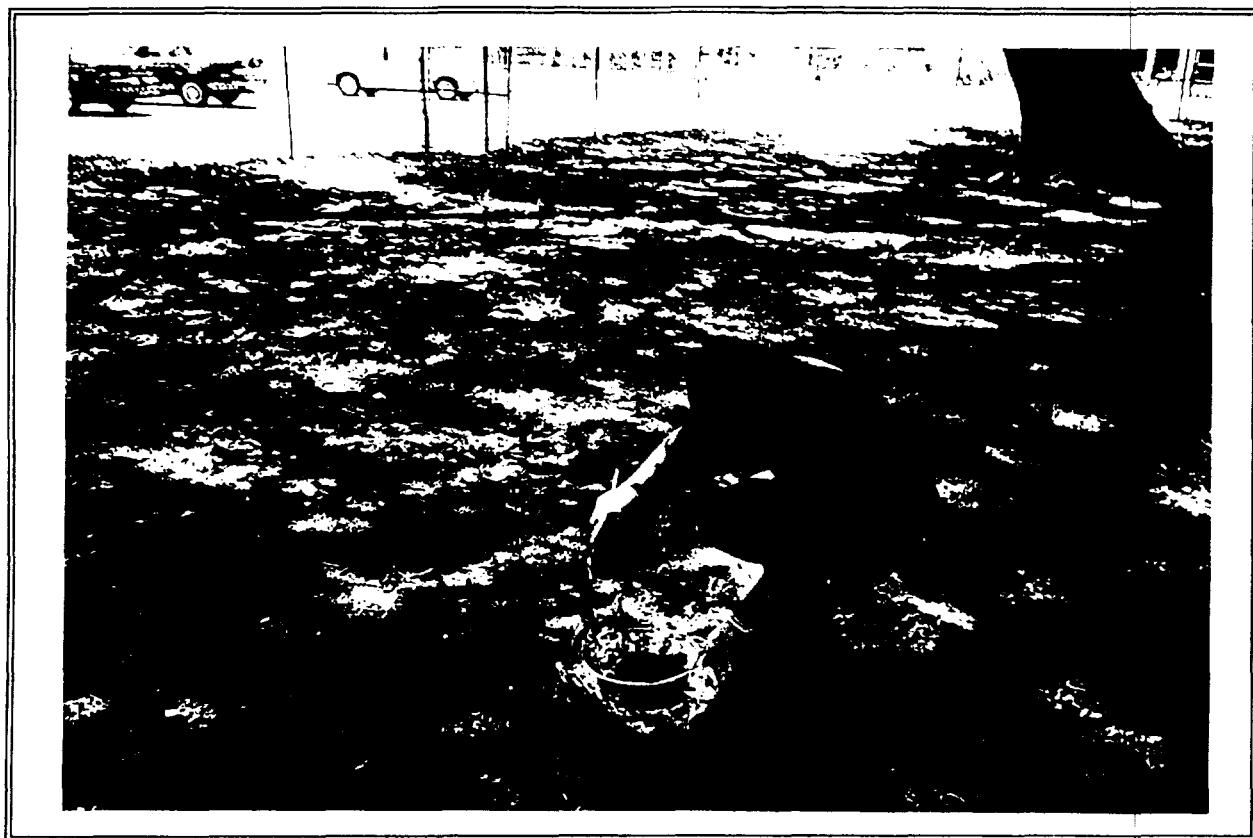
Subject: Note the glass and ash in the yard.

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: North

TDD Number: 04-9703-0005 **Date:** July 8, 1997

Photographer: Kristen Lombard, START **Witness:** David Brown, START



**OFFICIAL PHOTOGRAPH NO. 14
U.S. ENVIRONMENTAL PROTECTION AGENCY**

Subject: Sample location BD-SS-07, in the elementary school courtyard.

Location: Browns Dump Site
Jacksonville, Duval County, Florida

Orientation: South

TDD Number: 04-9703-0005 **Date:** July 7, 1997

Photographer: David Brown, START **Witness:** Pete Lowery, START

1 10 0058

ATTACHMENT A

ANALYTICAL DATA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4

Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720

MEMORANDUM

Date: 08/22/97

Subject: Results of METALS INORGANIC Sample Analysis

97-0292 BROWN'S DUMP *PP*
JACKSONVILLE, FL *JN*

From: Gary Bennett

To: PAULA MACLAREN

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

ATTACHMENT

INORGANIC DATA QUALIFIERS REPORT

Case Number: 25558
 Project Number: 97-0292
 Site: Brown's Dump, Jacksonville, FL

Element	Flag	Samples Affected	Reason
<u>A. Waters</u>			
As, Be, Pb, Tl	U	All positives > IDL, but < CRDL	Baseline instability
Mg, K	U	All positives > IDL, but < 10X contaminant level	Positives in blanks
Sb	R	10158, 10160, 10161, 10162, 10164, 10165, 10166, 10175, 11018	Matrix spike recovery = 20.5%
Fe	J	10158, 10160, 10161, 10162, 10164, 10165, 10166, 10175, 11018	Serial dilution Percent difference = 19.7%
K	J	10158, 10160, 10161, 10162, 10164, 10165, 10166, 10175, 11018	Serial dilution Percent difference = 14.9%
CN	J	10160, 10162, 10165, 10175	Blind spike recovery > warning limit
As	U	10160, 10164, 10175	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Cr	U	10164	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Ni	U	10165	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Cd	J	10164	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis
Cr	J	10160, 10162, 10165, 10166	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis
Co	J	10161	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis
Mn	J	10158, 11018	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis
Ni	J	10161	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis

INORGANIC DATA QUALIFIERS REPORT (continued)

Case Number: 25558
 Project Number: 97-0292
 Site: Brown's Dump, Jacksonville, FL

Element	Flag	Samples Affected	Reason
V	J	10164	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis
<u>B. Soils</u>			
As, Be, Pb, Tl	U	All positives > IDL, but < CRDL	Baseline instability
Ba, Fe, Mg, K	U	All positives > IDL, but < 10X contaminant level	Positives in blanks
Pb	JN	10159, 10171, 10172, 10173	Suspected positive interference as in the contractor ICS
Sb	J	10155, 10157, 10176, 10179, 10179	Matrix spike recovery = 8.2%
	R	10156, 10169, 10174, 10180	
Sb	J	10159, 10171, 10172, 10173, 10177, 10178, 11760	Matrix spike recovery = 14.5%
	R	10163, 10167, 10168	
As	J	10155, 10157, 10169, 10170, 10174, 10176, 10179	Matrix spike recovery = 21.2%
	R	10156, 10180	
Pb	J	10159, 10163, 10167, 10168 10171, 10172, 10173, 10177 10178, 11760	Matrix spike recovery = 126.7%
Se	J	10155, 10156, 10157, 10169, 10170, 10174, 10176, 10179, 10180	Matrix spike recovery = 43.3%
Fe	J	10155, 10156, 10157, 10169, 10170, 10174, 10176, 10179, 10180	Matrix duplicate RPD = 35.7%
Fe	J	10159, 10163, 10167, 10168, 10171, 10172, 10173, 10177, 10178, 11760	Matrix duplicate RPD = 138.4%
Pb	J	10155, 10156, 10157, 10169, 10170, 10174, 10176, 10179, 10180	Matrix duplicate RPD = 39.3%
Mn	J	10155, 10156, 10157, 10169, 10170, 10174, 10176, 10179, 10180	Matrix duplicate RPD = 120.6%
Mg	J	10155, 10156, 10157, 10169, 10170, 10174, 10176, 10179, 10180	Serial dilution percent difference = 50.4%

INORGANIC DATA QUALIFIERS REPORT (continued)

Case Number: 25558Project Number: 97-0292Site: Brown's Dump, Jacksonville, FL

Element	Flag	Samples Affected	Reason
Cr	J	10155, 10156, 10157, 10169 10170, 10174, 10176, 10179, 10180	Blind spike recovery > action limit
Mn	J	10155, 10156, 10157, 10169 10170, 10174, 10176, 10179, 10180	Blind spike recovery > action limit
K	J	10155, 10156, 10157, 10169 10170, 10174, 10176, 10179, 10180	Blind spike recovery > action limit
Sb	U	10157 , 10178	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Cd	U	10174, 10168	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Co	U	10154	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Ni	U	10156	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Ag	U	10155, 10157, 10178	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Na	J	10156, 10159, 10160, 10163, 10169, 10170, 10174	% RSD > 20% for ICP multiple exposures
Cd	J	10154, 10155, 10163	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis
Co	J	10155, 10156, 10157, 10159, 10169, 10170, 10173, 10174, 10176, 10177, 10178, 10179, 10180, 11760	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis
Cu	J	10156, 10180	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis
Ni	J	10154, 10155, 10157, 10169, 10174, 10176, 10178, 10180, 11760	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis

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INORGANIC DATA QUALIFIERS REPORT (continued)

Case Number: 25558
Project Number: 97-0292
Site: Brown's Dump, Jacksonville, FL

Element	Flag	Samples Affected	Reason
Ag	J	10156, 10157, 10159, 10169, 10170, 10174, 10176, 10180 11760	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis
V	J	10155, 10156, 10157, 10159, 10160, 10163, 10167, 10168, 10169, 10170, 10174, 10176, 10179, 10180	Only analysis of 2X CRDL standard required by contract SOW for ICP analysis

Sample 10154 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS10

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN16

D Number: MN16

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 11:40

Ending:

RESULTS	UNITS	ANALYTE
990	MG/KG	ALUMINUM
2J	MG/KG	ANTIMONY
2UJ	MG/KG	ARSENIC
10	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
0.14J	MG/KG	CADMIUM
4600	MG/KG	CALCIUM
3.7J	MG/KG	CHROMIUM
1U	MG/KG	COBALT
9.9	MG/KG	COPPER
1800J	MG/KG	IRON
51J	MG/KG	LEAD
220J	MG/KG	MAGNESIUM
22J	MG/KG	MANGANESE
0.05U	MG/KG	TOTAL MERCURY
2.6J	MG/KG	NICKEL
50U	MG/KG	POTASSIUM
0.50UJ	MG/KG	SELENIUM
0.17U	MG/KG	SILVER
30U	MG/KG	SODIUM
0.71U	MG/KG	THALLIUM
2.5J	MG/KG	VANADIUM
76	MG/KG	ZINC
7	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

110064

METALS SAM ANALYSIS

EPA - REGION IV S

ATHENS, GA

PRINTED

12/97 07:49

Sample 10155 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS06

MD Number: MN12

Media: SOIL

D Number: MN12

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 11:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
830	MG/KG	ALUMINUM
1.4J	MG/KG	ANTIMONY
2UJ	MG/KG	ARSENIC
18	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
0.27J	MG/KG	CADMIUM
1300	MG/KG	CALCIUM
3.8J	MG/KG	CHROMIUM
0.50J	MG/KG	COBALT
29	MG/KG	COPPER
4100J	MG/KG	IRON
130J	MG/KG	LEAD
120J	MG/KG	MAGNESIUM
67J	MG/KG	MANGANESE
0.1U	MG/KG	TOTAL MERCURY
5.1J	MG/KG	NICKEL
76J	MG/KG	POTASSIUM
0.51UJ	MG/KG	SELENIUM
1U	MG/KG	SILVER
30U	MG/KG	SODIUM
0.72U	MG/KG	THALLIUM
6.8J	MG/KG	VANADIUM
100	MG/KG	ZINC
7	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1 when no value is reported see chlordane constituents 2 constituents or metabolites of technical chlordane

1
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65

Sample 10156 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS09

MD Number: MN15

Media: SOIL

Inorg Contractor: SENTIN

D Number: MN15,

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 12:10

Ending:

RESULTS	UNITS	ANALYTE
1100	MG/KG	ALUMINUM
1UR	MG/KG	ANTIMONY
0.44UR	MG/KG	ARSENIC
4.1	MG/KG	BARIUM
0.02U	MG/KG	BERYLLIUM
0.07U	MG/KG	CADMIUM
650	MG/KG	CALCIUM
1.7J	MG/KG	CHROMIUM
0.31U	MG/KG	COBALT
2.4J	MG/KG	COPPER
420J	MG/KG	IRON
5J	MG/KG	LEAD
50UJ	MG/KG	MAGNESIUM
4.7J	MG/KG	MANGANESE
0.06U	MG/KG	TOTAL MERCURY
2U	MG/KG	NICKEL
40UJ	MG/KG	POTASSIUM
0.53UJ	MG/KG	SELENIUM
0.18U	MG/KG	SILVER
46J	MG/KG	SODIUM
0.75U	MG/KG	THALLIUM
1.8J	MG/KG	VANADIUM
17	MG/KG	ZINC
12	%	% MOISTURE

A-average value. NA-not analyzed. NAI-Interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gamma. 1 when no value is reported. see chlordane constituents. 2-constituents or metabolites of technical chlordane

Sample 10158 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDMW01

MD Number: MN37

Media: GROUNDWA

D Number: MN37,

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 12:25

Ending:

RESULTS	UNITS	ANALYTE
32	UG/L	ALUMINUM
5UR	UG/L	ANTIMONY
2U	UG/L	ARSENIC
24	UG/L	BARIUM
1U	UG/L	BERYLLIUM
1U	UG/L	CADMIUM
2500	UG/L	CALCIUM
1U	UG/L	CHROMIUM
2U	UG/L	COBALT
4U	UG/L	COPPER
12UJ	UG/L	IRON
3U	UG/L	LEAD
1200	UG/L	MAGNESIUM
5J	UG/L	MANGANESE
0.10U	UG/L	TOTAL MERCURY
4U	UG/L	NICKEL
2000J	UG/L	POTASSIUM
3U	UG/L	SELENIUM
1U	UG/L	SILVER
2500	UG/L	SODIUM
4U	UG/L	THALLIUM
2U	UG/L	VANADIUM
20U	UG/L	ZINC

A-average value. NA-not analyzed. NAI-Interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by qcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

0057

METALS SAM

ANALYSIS

EPA - REGION IV S

ATHENS, GA

REPRINTED

2/97 08:13

Sample 10159 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD04

MD Number: MN32

Media: SOIL

D Number: MN32

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 15:05

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
3300	MG/KG	ALUMINUM
6.8J	MG/KG	ANTIMONY
5.8	MG/KG	ARSENIC
180	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
3.7	MG/KG	CADMIUM
4200	MG/KG	CALCIUM
28J	MG/KG	CHROMIUM
4.1J	MG/KG	COBALT
190	MG/KG	COPPER
49000J	MG/KG	IRON
760JN	MG/KG	LEAD
1100	MG/KG	MAGNESIUM
30J	MG/KG	MANGANESE
0.62	MG/KG	TOTAL MERCURY
25	MG/KG	NICKEL
330J	MG/KG	POTASSIUM
0.85U	MG/KG	SELENIUM
1.8J	MG/KG	SILVER
160J	MG/KG	SODIUM
1.2U	MG/KG	THALLIUM
7.7J	MG/KG	VANADIUM
810	MG/KG	ZINC
45	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10157 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS07

MD Number: MN13

Media: SOIL

D Number: MN13

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 12:30

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
1300	MG/KG	ALUMINUM
2UJ	MG/KG	ANTIMONY
2UJ	MG/KG	ARSENIC
36	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
0.68J	MG/KG	CADMIUM
630	MG/KG	CALCIUM
6.6J	MG/KG	CHROMIUM
0.83J	MG/KG	COBALT
33	MG/KG	COPPER
9100J	MG/KG	IRON
150J	MG/KG	LEAD
200J	MG/KG	MAGNESIUM
65J	MG/KG	MANGANESE
0.1U	MG/KG	TOTAL MERCURY
4.2J	MG/KG	NICKEL
96J	MG/KG	POTASSIUM
0.51UJ	MG/KG	SELENIUM
1U	MG/KG	SILVER
52	MG/KG	SODIUM
0.73U	MG/KG	THALLIUM
5.4J	MG/KG	VANADIUM
200	MG/KG	ZINC
9	%	% MOISTURE

1 10
00600

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by noms: 1 when no value is reported. see chlordane constituents 2 constituents or metabolites of technical chlordane

Sample 10159 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD04

MD Number: MN32

Media: SOIL

D Number: MN32

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 15:05

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
3300	MG/KG	ALUMINUM
6.8J	MG/KG	ANTIMONY
5.8	MG/KG	ARSENIC
180	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
3.7	MG/KG	CADMIUM
4200	MG/KG	CALCIUM
28J	MG/KG	CHROMIUM
4.1J	MG/KG	COBALT
190	MG/KG	COPPER
49000J	MG/KG	IRON
760JN	MG/KG	LEAD
1100	MG/KG	MAGNESIUM
30J	MG/KG	MANGANESE
0.62	MG/KG	TOTAL MERCURY
25	MG/KG	NICKEL
330J	MG/KG	POTASSIUM
0.85U	MG/KG	SELENIUM
1.8J	MG/KG	SILVER
160J	MG/KG	SODIUM
1.2U	MG/KG	THALLIUM
7.7J	MG/KG	VANADIUM
810	MG/KG	ZINC
45	%	% MOISTURE

110

0070

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. The number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10160 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station:BDSW04

Media: SURFACEWA

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN36

D Number: MN36

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 15:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
57	UG/L	ALUMINUM
SUR	UG/L	ANTIMONY
8U	UG/L	ARSENIC
50	UG/L	BARIUM
1U	UG/L	BERYLLIUM
1U	UG/L	CADMIUM
54000	UG/L	CALCIUM
3J	UG/L	CHROMIUM
2U	UG/L	COBALT
4U	UG/L	COPPER
520J	UG/L	IRON
3	UG/L	LEAD
9000	UG/L	MAGNESIUM
27	UG/L	MANGANESE
0.10U	UG/L	TOTAL MERCURY
4U	UG/L	NICKEL
3400J	UG/L	POTASSIUM
3U	UG/L	SELENIUM
1U	UG/L	SILVER
12000	UG/L	SODIUM
4U	UG/L	THALLIUM
2U	UG/L	VANADIUM
100	UG/L	ZINC

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

L700

Sample 10161 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station:BDMW05

Media: GROUNDWA

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN41

D Number: MN41

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 15:05

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
370	UG/L	ALUMINUM
5UR	UG/L	ANTIMONY
20	UG/L	ARSENIC
230	UG/L	BARIUM
1U	UG/L	BERYLLIUM
5	UG/L	CADMIUM
87000	UG/L	CALCIUM
1U	UG/L	CHROMIUM
7J	UG/L	COBALT
32	UG/L	COPPER
9300J	UG/L	IRON
73	UG/L	LEAD
13000	UG/L	MAGNESIUM
2100	UG/L	MANGANESE
0.10U	UG/L	TOTAL MERCURY
19J	UG/L	NICKEL
16000J	UG/L	POTASSIUM
3U	UG/L	SELENIUM
1U	UG/L	SILVER
13000	UG/L	SODIUM
4U	UG/L	THALLIUM
2U	UG/L	VANADIUM
910	UG/L	ZINC

1100072

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10166 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP JACKSONVILLE, FL
 Program: NSF Case Number: 25558
 Id/Station:BDSW02 MD Number: MN34
 Media: SURFACEWA D Number: MN34

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 09:00

Ending:

Inorg Contractor: SENTIN
 Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
28	UG/L	ALUMINUM
5UR	UG/L	ANTIMONY
12	UG/L	ARSENIC
37	UG/L	BARIUM
1U	UG/L	BERYLLIUM
1U	UG/L	CADMIUM
45000	UG/L	CALCIUM
4J	UG/L	CHROMIUM
2U	UG/L	COBALT
4U	UG/L	COPPER
540J	UG/L	IRON
4	UG/L	LEAD
9900	UG/L	MAGNESIUM
25	UG/L	MANGANESE
0.10U	UG/L	TOTAL MERCURY
4U	UG/L	NICKEL
3100J	UG/L	POTASSIUM
3U	UG/L	SELENIUM
1U	UG/L	SILVER
170000	UG/L	SODIUM
4U	UG/L	THALLIUM
2U	UG/L	VANADIUM
22	UG/L	ZINC

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

100000

Sample 10167 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSD01

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN29

D Number: MN29

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 09:30

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
420	MG/KG	ALUMINUM
1.2UR	MG/KG	ANTIMONY
1U	MG/KG	ARSENIC
5.9	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
0.08U	MG/KG	CADMIUM
1800	MG/KG	CALCIUM
2J	MG/KG	CHROMIUM
0.37U	MG/KG	COBALT
7	MG/KG	COPPER
940J	MG/KG	IRON
10J	MG/KG	LEAD
100U	MG/KG	MAGNESIUM
4.9J	MG/KG	MANGANESE
0.07U	MG/KG	TOTAL MERCURY
0.94U	MG/KG	NICKEL
70UJ	MG/KG	POTASSIUM
0.63U	MG/KG	SELENIUM
0.21U	MG/KG	SILVER
40U	MG/KG	SODIUM
0.89U	MG/KG	THALLIUM
1.6J	MG/KG	VANADIUM
17	MG/KG	ZINC
26	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

110074

Sample 10168 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD02

MD Number: MN30

Media: SOIL

D Number: MN30

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 09:00

Ending:

RESULTS	UNITS	ANALYTE
200	MG/KG	ALUMINUM
1.1UR	MG/KG	ANTIMONY
0.48U	MG/KG	ARSENIC
3.9	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
1U	MG/KG	CADMIUM
1500	MG/KG	CALCIUM
2.2J	MG/KG	CHROMIUM
0.33U	MG/KG	COBALT
9	MG/KG	COPPER
410J	MG/KG	IRON
11J	MG/KG	LEAD
90U	MG/KG	MAGNESIUM
4.2J	MG/KG	MANGANESE
0.06U	MG/KG	TOTAL MERCURY
0.86U	MG/KG	NICKEL
60UJ	MG/KG	POTASSIUM
0.57U	MG/KG	SELENIUM
0.19U	MG/KG	SILVER
40U	MG/KG	SODIUM
0.81U	MG/KG	THALLIUM
1.1J	MG/KG	VANADIUM
17	MG/KG	ZINC
26	%	% MOISTURE

1100075

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10169 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS04

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN10

D Number: MN10,

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 10:45

Ending:

RESULTS	UNITS	ANALYTE
1800	MG/KG	ALUMINUM
1UR	MG/KG	ANTIMONY
2.4J	MG/KG	ARSENIC
56	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
1.4	MG/KG	CADMIUM
4200	MG/KG	CALCIUM
15J	MG/KG	CHROMIUM
0.77J	MG/KG	COBALT
46	MG/KG	COPPER
5500J	MG/KG	IRON
200J	MG/KG	LEAD
240J	MG/KG	MAGNESIUM
110J	MG/KG	MANGANESE
0.17	MG/KG	TOTAL MERCURY
4.4J	MG/KG	NICKEL
86J	MG/KG	POTASSIUM
0.52UJ	MG/KG	SELENIUM
0.45J	MG/KG	SILVER
36J	MG/KG	SODIUM
0.73U	MG/KG	THALLIUM
6.7J	MG/KG	VANADIUM
390	MG/KG	ZINC
10	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

110

0076

Sample 10170 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS08

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN14

D Number: MN14

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 11:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
2100	MG/KG	ALUMINUM
3.3J	MG/KG	ANTIMONY
5.1J	MG/KG	ARSENIC
110	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
1.9	MG/KG	CADMIUM
1200	MG/KG	CALCIUM
15J	MG/KG	CHROMIUM
2.1J	MG/KG	COBALT
120	MG/KG	COPPER
17000J	MG/KG	IRON
380J	MG/KG	LEAD
220J	MG/KG	MAGNESIUM
150J	MG/KG	MANGANESE
0.22	MG/KG	TOTAL MERCURY
12	MG/KG	NICKEL
140J	MG/KG	POTASSIUM
0.57UJ	MG/KG	SELENIUM
1.1J	MG/KG	SILVER
35J	MG/KG	SODIUM
0.80U	MG/KG	THALLIUM
5.2J	MG/KG	VANADIUM
630	MG/KG	ZINC
17	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10171 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS12

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN18

D Number: MN18

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 12:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
5000	MG/KG	ALUMINUM
19J	MG/KG	ANTIMONY
35	MG/KG	ARSENIC
1200	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
7.9	MG/KG	CADMIUM
6800	MG/KG	CALCIUM
79J	MG/KG	CHROMIUM
14	MG/KG	COBALT
4100	MG/KG	COPPER
110000J	MG/KG	IRON
9100JN	MG/KG	LEAD
4900	MG/KG	MAGNESIUM
790J	MG/KG	MANGANESE
0.24	MG/KG	TOTAL MERCURY
100	MG/KG	NICKEL
530	MG/KG	POTASSIUM
0.52U	MG/KG	SELENIUM
4.4	MG/KG	SILVER
330	MG/KG	SODIUM
0.74U	MG/KG	THALLIUM
16	MG/KG	VANADIUM
2800	MG/KG	ZINC
15	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-preserved evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-rc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1000-01-1

Sample 10172 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP JACKSONVILLE, FL
 Program: NSF Case Number: 25558
 Id/Station: BDSS15 MD Number: MN21
 Media: SOIL D Number: MN21

Printed by: Ron Phelps

Collected By:
 Beginning: 07/09/97 12:25
 Ending:

Inorg Contractor: SENTIN
 Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
5500	MG/KG	ALUMINUM
11J	MG/KG	ANTIMONY
15	MG/KG	ARSENIC
550	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
8.1	MG/KG	CADMIUM
8400	MG/KG	CALCIUM
57J	MG/KG	CHROMIUM
9.1J	MG/KG	COBALT
420	MG/KG	COPPER
79000J	MG/KG	IRON
1200JN	MG/KG	LEAD
720	MG/KG	MAGNESIUM
590J	MG/KG	MANGANESE
0.95	MG/KG	TOTAL MERCURY
44	MG/KG	NICKEL
210J	MG/KG	POTASSIUM
0.64U	MG/KG	SELENIUM
4.6	MG/KG	SILVER
120	MG/KG	SODIUM
0.91U	MG/KG	THALLIUM
21	MG/KG	VANADIUM
2200	MG/KG	ZINC
26	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

6/00 10/11

Sample 10173 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS11

MD Number: MN17

Media: SOIL

D Number: MN17

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 11:45

Ending:

RESULTS	UNITS	ANALYTE
4500	MG/KG	ALUMINUM
21J	MG/KG	ANTIMONY
18	MG/KG	ARSENIC
590	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
8.8	MG/KG	CADMIUM
18000	MG/KG	CALCIUM
58J	MG/KG	CHROMIUM
7.5J	MG/KG	COBALT
360	MG/KG	COPPER
56000	MG/KG	IRON
1800JN	MG/KG	LEAD
1700	MG/KG	MAGNESIUM
470J	MG/KG	MANGANESE
5.6	MG/KG	TOTAL MERCURY
41	MG/KG	NICKEL
560	MG/KG	POTASSIUM
0.63U	MG/KG	SELENIUM
4.3	MG/KG	SILVER
76	MG/KG	SODIUM
0.90U	MG/KG	THALLIUM
30	MG/KG	VANADIUM
3800	MG/KG	ZINC
25	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

140000

Sample 10174 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS01

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN07

D Number: MN07,

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 11:35

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
1100	MG/KG	ALUMINUM
1.1UR	MG/KG	ANTIMONY
3J	MG/KG	ARSENIC
28	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
1U	MG/KG	CADMIUM
5200	MG/KG	CALCIUM
3.5J	MG/KG	CHROMIUM
0.69J	MG/KG	COBALT
12	MG/KG	COPPER
9800J	MG/KG	IRON
22J	MG/KG	LEAD
220J	MG/KG	MAGNESIUM
43J	MG/KG	MANGANESE
0.1U	MG/KG	TOTAL MERCURY
1.4J	MG/KG	NICKEL
130J	MG/KG	POTASSIUM
0.58UJ	MG/KG	SELENIUM
0.37J	MG/KG	SILVER
75J	MG/KG	SODIUM
0.82U	MG/KG	THALLIUM
5.4J	MG/KG	VANADIUM
37	MG/KG	ZINC
17	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

10001

Sample 10175 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDMW04

Media: GROUNDWA

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN40

D Number: MN4Q

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 14:00

Ending:

Inorg Contractor: SENTINEL

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
180	UG/L	ALUMINUM
5UR	UG/L	ANTIMONY
4U	UG/L	ARSENIC
75	UG/L	BARIUM
1U	UG/L	BERYLLIUM
1U	UG/L	CADMIUM
38000	UG/L	CALCIUM
1U	UG/L	CHROMIUM
2U	UG/L	COBALT
17	UG/L	COPPER
28000J	UG/L	IRON
29	UG/L	LEAD
11000	UG/L	MAGNESIUM
150	UG/L	MANGANESE
0.10U	UG/L	TOTAL MERCURY
4U	UG/L	NICKEL
8400J	UG/L	POTASSIUM
3U	UG/L	SELENIUM
1U	UG/L	SILVER
28000	UG/L	SODIUM
4U	UG/L	THALLIUM
2U	UG/L	VANADIUM
110	UG/L	ZINC

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

110

0082

Sample 10176 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS03

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN09

D Number: MN09

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 15:50

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
2400	MG/KG	ALUMINUM
2.9J	MG/KG	ANTIMONY
4.1J	MG/KG	ARSENIC
140	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
2	MG/KG	CADMIUM
13000	MG/KG	CALCIUM
14J	MG/KG	CHROMIUM
1.9J	MG/KG	COBALT
67	MG/KG	COPPER
8300J	MG/KG	IRON
370J	MG/KG	LEAD
740J	MG/KG	MAGNESIUM
89	MG/KG	MANGANESE
0.21	MG/KG	TOTAL MERCURY
8.3J	MG/KG	NICKEL
290J	MG/KG	POTASSIUM
0.59UJ	MG/KG	SELENIUM
0.90J	MG/KG	SILVER
70	MG/KG	SODIUM
0.84U	MG/KG	THALLIUM
8.4J	MG/KG	VANADIUM
690	MG/KG	ZINC
21	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100083

Sample 10177 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP JACKSONVILLE, FL
 Program: NSF Case Number: 25558
 Id/Station: BDSS13 MD Number: MN19
 Media: SOIL D Number: MN19

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 15:15

Ending:

Inorg Contractor: SENTIN
 Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
3300	MG/KG	ALUMINUM
32J	MG/KG	ANTIMONY
11	MG/KG	ARSENIC
400	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
5.3	MG/KG	CADMIUM
9000	MG/KG	CALCIUM
140J	MG/KG	CHROMIUM
5J	MG/KG	COBALT
240	MG/KG	COPPER
29000J	MG/KG	IRON
1900JN	MG/KG	LEAD
1100	MG/KG	MAGNESIUM
260J	MG/KG	MANGANESE
0.41	MG/KG	TOTAL MERCURY
24	MG/KG	NICKEL
320J	MG/KG	POTASSIUM
0.58U	MG/KG	SELENIUM
2.7	MG/KG	SILVER
86	MG/KG	SODIUM
0.82U	MG/KG	THALLIUM
18	MG/KG	VANADIUM
2700	MG/KG	ZINC
21	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-rc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100004

Sample 10178 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS16

MD Number: MN22

Media: SOIL

D Number: MN22

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 16:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
1600	MG/KG	ALUMINUM
2UJ	MG/KG	ANTIMONY
2U	MG/KG	ARSENIC
93	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
1.5	MG/KG	CADMIUM
3600	MG/KG	CALCIUM
15J	MG/KG	CHROMIUM
1.5J	MG/KG	COBALT
52	MG/KG	COPPER
11000J	MG/KG	IRON
180J	MG/KG	LEAD
340	MG/KG	MAGNESIUM
110J	MG/KG	MANGANESE
0.36	MG/KG	TOTAL MERCURY
7.2J	MG/KG	NICKEL
160J	MG/KG	POTASSIUM
0.59U	MG/KG	SELENIUM
1U	MG/KG	SILVER
50J	MG/KG	SODIUM
0.84U	MG/KG	THALLIUM
6.5J	MG/KG	VANADIUM
340	MG/KG	ZINC
20	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcma: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1200000

Sample 10179 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS02

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN08

D Number: MN08

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 16:40

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
2300	MG/KG	ALUMINUM
11J	MG/KG	ANTIMONY
5.6J	MG/KG	ARSENIC
160	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
2.1	MG/KG	CADMIUM
4300	MG/KG	CALCIUM
11J	MG/KG	CHROMIUM
1.8J	MG/KG	COBALT
83	MG/KG	COPPER
13000J	MG/KG	IRON
950J	MG/KG	LEAD
580J	MG/KG	MAGNESIUM
140J	MG/KG	MANGANESE
0.12	MG/KG	TOTAL MERCURY
9.7	MG/KG	NICKEL
130J	MG/KG	POTASSIUM
0.51UJ	MG/KG	SELENIUM
0.97J	MG/KG	SILVER
34	MG/KG	SODIUM
0.73U	MG/KG	THALLIUM
8.6J	MG/KG	VANADIUM
1700	MG/KG	ZINC
11	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100066

Sample 10180 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP
 Program: NSF
 Id/Station: BDSS05
 Media: SOIL

JACKSONVILLE, FL
 Case Number: 25558
 MD Number: MN11
 D Number: MN11

Inorg Contractor: SENTIN
 Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:
 Beginning: 07/09/97 17:00
 Ending:

RESULTS	UNITS	ANALYTE
1200	MG/KG	ALUMINUM
1UR	MG/KG	ANTIMONY
2UJ	MG/KG	ARSENIC
24	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
0.45J	MG/KG	CADMIUM
2400	MG/KG	CALCIUM
4.7J	MG/KG	CHROMIUM
0.52J	MG/KG	COBALT
40	MG/KG	COPPER
3500J	MG/KG	IRON
100J	MG/KG	LEAD
200J	MG/KG	MAGNESIUM
57J	MG/KG	MANGANESE
0.33	MG/KG	TOTAL MERCURY
3.7J	MG/KG	NICKEL
80J	MG/KG	POTASSIUM
0.51UJ	MG/KG	SELENIUM
0.30J	MG/KG	SILVER
36J	MG/KG	SODIUM
0.73U	MG/KG	THALLIUM
4J	MG/KG	VANADIUM
130	MG/KG	ZINC
8	%	% MOISTURE

1100067

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10181 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDTB01

Media: WATER

JACKSONVILLE, FL

Case Number: 25558

D Number: MNO6

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 09:25

Ending:

RESULTS	UNITS	ANALYTE
NA	UG/L	ALUMINUM
NA	UG/L	ANTIMONY
NA	UG/L	ARSENIC
NA	UG/L	BARIUM
NA	UG/L	BERYLLIUM
NA	UG/L	CADMIUM
NA	UG/L	CALCIUM
NA	UG/L	CHROMIUM
NA	UG/L	COBALT
NA	UG/L	COPPER
NA	UG/L	IRON
NA	UG/L	LEAD
NA	UG/L	MAGNESIUM
NA	UG/L	MANGANESE
NA	UG/L	TOTAL MERCURY
NA	UG/L	NICKEL
NA	UG/L	POTASSIUM
NA	UG/L	SELENIUM
NA	UG/L	SILVER
NA	UG/L	SODIUM
NA	UG/L	THALLIUM
NA	UG/L	VANADIUM
NA	UG/L	ZINC

NO SAMPLE CONTAINER RECEIVED

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 11018 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDFB01

MD Number: MN42

Media: WATER

D Number: MN42

Printed by: Ron Phelps

Collected By:

Beginning:

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
25	UG/L	ALUMINUM
5UR	UG/L	ANTIMONY
2U	UG/L	ARSENIC
1U	UG/L	BARIUM
1U	UG/L	BERYLLIUM
1U	UG/L	CADMIUM
9U	UG/L	CALCIUM
1U	UG/L	CHROMIUM
2U	UG/L	COBALT
4U	UG/L	COPPER
12UJ	UG/L	IRON
6	UG/L	LEAD
60U	UG/L	MAGNESIUM
1J	UG/L	MANGANESE
0.10U	UG/L	TOTAL MERCURY
4U	UG/L	NICKEL
100UJ	UG/L	POTASSIUM
3U	UG/L	SELENIUM
1U	UG/L	SILVER
650	UG/L	SODIUM
4U	UG/L	THALLIUM
2U	UG/L	VANADIUM
20U	UG/L	ZINC

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

110089

Sample 11760 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS14

MD Number: MN20

Media: SOIL

D Number: MN20

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 14:15

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
1900	MG/KG	ALUMINUM
6.8J	MG/KG	ANTIMONY
2U	MG/KG	ARSENIC
84	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
1.1	MG/KG	CADMIUM
2200	MG/KG	CALCIUM
11J	MG/KG	CHROMIUM
1J	MG/KG	COBALT
38	MG/KG	COPPER
8800J	MG/KG	IRON
460J	MG/KG	LEAD
210	MG/KG	MAGNESIUM
98J	MG/KG	MANGANESE
0.24	MG/KG	TOTAL MERCURY
4J	MG/KG	NICKEL
150J	MG/KG	POTASSIUM
0.51U	MG/KG	SELENIUM
0.47J	MG/KG	SILVER
41J	MG/KG	SODIUM
0.73U	MG/KG	THALLIUM
5.2J	MG/KG	VANADIUM
230	MG/KG	ZINC
13	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

110060

Sample 10165 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDSW01

MD Number: MN33

Media: SURFACEWA

D Number: MN33

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 09:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
36	UG/L	ALUMINUM
5UR	UG/L	ANTIMONY
16	UG/L	ARSENIC
43	UG/L	BARIUM
1U	UG/L	BERYLLIUM
1U	UG/L	CADMUM
53000	UG/L	CALCIUM
6J	UG/L	CHROMIUM
2U	UG/L	COBALT
4U	UG/L	COPPER
650J	UG/L	IRON
3	UG/L	LEAD
12000	UG/L	MAGNESIUM
27	UG/L	MANGANESE
0.10U	UG/L	TOTAL MERCURY
8U	UG/L	NICKEL
2900J	UG/L	POTASSIUM
3U	UG/L	SELENIUM
1U	UG/L	SILVER
14000	UG/L	SODIUM
4U	UG/L	THALLIUM
2U	UG/L	VANADIUM
24	UG/L	ZINC

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

110001

Sample 10166 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station:BDSW02

Media: SURFACEWA

Case Number: 25558

MD Number: MN34

D Number: MN34

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 09:00

Ending:

RESULTS	UNITS	ANALYTE
28	UG/L	ALUMINUM
5UR	UG/L	ANTIMONY
12	UG/L	ARSENIC
37	UG/L	BARIUM
1U	UG/L	BERYLLIUM
1U	UG/L	CADMIUM
45000	UG/L	CALCIUM
4J	UG/L	CHROMIUM
2U	UG/L	COBALT
4U	UG/L	COPPER
540J	UG/L	IRON
4	UG/L	LEAD
9900	UG/L	MAGNESIUM
25	UG/L	MANGANESE
0.10U	UG/L	TOTAL MERCURY
4U	UG/L	NICKEL
3100J	UG/L	POTASSIUM
3U	UG/L	SELENIUM
1U	UG/L	SILVER
170000	UG/L	SODIUM
4U	UG/L	THALLIUM
2U	UG/L	VANADIUM
22	UG/L	ZINC

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

11000

Sample 10167 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSD01

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN29

D Number: MN29

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 09:30

Ending:

RESULTS	UNITS	ANALYTE
420	MG/KG	ALUMINUM
1.2UR	MG/KG	ANTIMONY
1U	MG/KG	ARSENIC
5.9	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
0.08U	MG/KG	CADMIUM
1800	MG/KG	CALCIUM
2J	MG/KG	CHROMIUM
0.37U	MG/KG	COBALT
7	MG/KG	COPPER
940J	MG/KG	IRON
10J	MG/KG	LEAD
100U	MG/KG	MAGNESIUM
4.9J	MG/KG	MANGANESE
0.07U	MG/KG	TOTAL MERCURY
0.94U	MG/KG	NICKEL
70UJ	MG/KG	POTASSIUM
0.63U	MG/KG	SELENIUM
0.21U	MG/KG	SILVER
40U	MG/KG	SODIUM
0.89U	MG/KG	THALLIUM
1.6J	MG/KG	VANADIUM
17	MG/KG	ZINC
26	%	% MOISTURE

111000093

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by qcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10168 FY 1997 Project: 97-0292

METALS SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSD02

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN30

D Number: MN30,

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 09:00

Ending:

RESULTS	UNITS	ANALYTE
200	MG/KG	ALUMINUM
1.1UR	MG/KG	ANTIMONY
0.48U	MG/KG	ARSENIC
3.9	MG/KG	BARIUM
1U	MG/KG	BERYLLIUM
1U	MG/KG	CADMIUM
1500	MG/KG	CALCIUM
2.2J	MG/KG	CHROMIUM
0.33U	MG/KG	COBALT
9	MG/KG	COPPER
410J	MG/KG	IRON
11J	MG/KG	LEAD
90U	MG/KG	MAGNESIUM
4.2J	MG/KG	MANGANESE
0.06U	MG/KG	TOTAL MERCURY
0.86U	MG/KG	NICKEL
60UJ	MG/KG	POTASSIUM
0.57U	MG/KG	SELENIUM
0.19U	MG/KG	SILVER
40U	MG/KG	SODIUM
0.81U	MG/KG	THALLIUM
1.1J	MG/KG	VANADIUM
17	MG/KG	ZINC
26	%	% MOISTURE

1100094

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4

Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720

MEMORANDUM

Date: 08/22/97

Subject: Results of CLASSICALS/NUTRIENTS INORGANIC Sample Analysis

97-0292 BROWN'S DUMP
JACKSONVILLE, FL

From: Gary Bennett

A handwritten signature in black ink that appears to read "RPJN".

To: PAULA MACLAREN

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

ATTACHMENT

Sample 10154 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS10

MD Number: MN16

Media: SOIL

D Number: MN16

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 11:40

Ending:

RESULTS	UNITS	ANALYTE
0.3U	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-rc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1000696

Sample 10155 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS06

MD Number: MN12

Media: SOIL

D Number: MN12

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 11:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.4U	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

100697

Sample 10156 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS09

MD Number: MN15

Media: SOIL

D Number: MN15

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 12:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

0.61 MG/KG CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10157 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS07

MD Number: MN13

Media: SOIL

D Number: MN13

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 12:30

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
1.3	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

11000066

Sample 10158 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDMW01

MD Number: MN37

Media: GROUNDWA

D Number: MN37

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 12:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

10U UG/L CYANIDE

1000

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by name; 1 when no value is reported. see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10159 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD04

MD Number: MN32

Media: SOIL

D Number: MN32

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 15:05

Ending:

RESULTS	UNITS	ANALYTE
1.4	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Q-estimated by computer. * when no value is reported, see chlordane constituents. ? constituents or metabolites of technical chlordane

Sample 10160 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSW04

Media: SURFACEWA

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN36

D Number: MN36

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 15:00

Ending:

RESULTS	UNITS	ANALYTE
10UJ	UG/L	CYANIDE

1000100

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

1. When no value is reported, see chlordane constituents 2. constituents or metabolites of technical chlordane

Sample 10161 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDMW05

MD Number: MN41

Media: GROUNDWA

D Number: MN41

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 15:05

Ending:

RESULTS	UNITS	ANALYTE
10U	UG/L	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by ncms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

CLASSICALS RIENTS SAMPLE ANA

EPA - REGION IV SE , ATHENS, GA

PRINTED 2/97 07:49

Sample 10162 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDSW03

MD Number: MN35

Media: SURFACEWA

D Number: MN35

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 16:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
10UJ	UG/L	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100104

Sample 10163 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD03

MD Number: MN31

Media: SOIL

D Number: MN31

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 16:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.18U	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100105

Sample 10164 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDMW06

MD Number: MN39

Media: GROUNDWA

D Number: MN39

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 17:15

Ending:

RESULTS	UNITS	ANALYTE
10UJ	UG/L	CYANIDE

1000100106

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10165 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDSW01

MD Number: MN33

Media: SURFACEWA

D Number: MN33

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 09:25

Ending:

RESULTS	UNITS	ANALYTE
10UJ	UG/L	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100101

Sample 10166 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDSW02

MD Number: MN34

Media: SURFACEWA

D Number: MN34

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 09:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
10U	UG/L	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100108

Sample 10167 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD01

MD Number: MN29

Media: SOIL

D Number: MN29

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 09:30

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.16U	MG/KG	CYANIDE

1100109

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

CLASSICALS/RECENTS SAMPLE ANA

EPA - REGION IV SE ATHENS, GA

PRINTED

7/97 07:49

Sample 10168 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSD02

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN30

D Number: MN30

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 09:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

0.2U MG/KG CYANIDE

A-average value. NA-not analyzed. NAI-Interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

110010

Sample 10169 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDSS04

MD Number: MN10

Media: SOIL

D Number: MN10

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 10:45

Ending:

RESULTS	UNITS	ANALYTE
0.57	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

CLASSICALS/ RIENTS SAMPLE ANA

EPA - REGION IV SE

ATHENS, GA

PRINTED

2/97 07:49

Sample 10170 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS08

MD Number: MN14

Media: SOIL

D Number: MN14

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 11:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
2.8	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100112

Sample 10171 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS12

MD Number: MN18

Media: SOIL

D Number: MN18

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 12:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.68	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100113

Sample 10172 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS15

MD Number: MN21

Media: SOIL

D Number: MN21

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 12:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
14	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1401014

Sample 10173 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDSS11

MD Number: MN17

Media: SOIL

D Number: MN17

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 11:45

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
1.1	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

CLASSICALS/NL

ENTS SAMPLE ANA

EPA - REGION IV SES

THENS, GA

PRINTED 08

7 07:49

Sample 10174 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS01

MD Number: MN07

Media: SOIL

D Number: MN07

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 11:35

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.5U	MG/KG	CYANIDE

110010116

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

CLASSICALS(RIENTS SAMPLE ANA

EPA - REGION IV SE ATHENS, GA

PRINTED

2/97 07:49

Sample 10175 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDMW04

Media: GROUNDWA

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN40

D Number: MN40

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 14:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

10UJ UG/L CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.
K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.
R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.
C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100117

Sample 10176 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS03

MD Number: MN09

Media: SOIL

D Number: MN09

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 15:50

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

0.74 MG/KG CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

CLASSICALS/N VENTS SAMPLE ANA

EPA - REGION IV SE ATHENS, GA

PRINTED /97 07:49

Sample 10177 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS13

MD Number: MN19

Media: SOIL

D Number: MN19

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 15:15

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

2.6 MG/KG CYANIDE

61100111

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by acms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

CLASSICALS RIENTS SAMPLE ANA

EPA - REGION IV SE ATHENS, GA

PRINTED 2/97 07:49

Sample 10178 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS16

MD Number: MN22

Media: SOIL

D Number: MN22

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 16:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

2.8 MG/KG CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by ncms: 1 when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10179 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS02

Media: SOIL

Case Number: 25558

MD Number: MN08

D Number: MN08

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 16:40

Ending:

RESULTS	UNITS	ANALYTE
0.56	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100121

CLASSICALS/R
RENTS SAMPLE ANA

EPA - REGION IV SE

ATHENS, GA

PRINTED

7/97 07:49

Sample 10180 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS05

MD Number: MN11

Media: SOIL

D Number: MN11

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 17:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.3U	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100122

Sample 10181 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDTB01

Media: WATER

D Number: MNO6

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning: 07/08/97 09:25

Ending:

RESULTS	UNITS	ANALYTE
NA	UG/L	CYANIDE

NO SAMPLE CONTAINER RECEIVED

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 11018 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDFB01

MD Number: MN42

Media: WATER

D Number: MN42

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: Ron Phelps

Collected By:

Beginning:

Ending:

RESULTS	UNITS	ANALYTE
10U	UG/L	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1 10 0124

Sample 11760 FY 1997 Project: 97-0292

SPECIFIED TESTS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS14

MD Number: MN20

Media: SOIL

D Number: MN20

Printed by: Ron Phelps

Collected By:

Beginning: 07/09/97 14:15

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.5U	MG/KG	CYANIDE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1 10

0125



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4

Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720

MEMORANDUM

Date: 09/08/97

Subject: Results of VOLATILES ORGANIC Sample Analysis

97-0292 BROWN'S DUMP
 JACKSONVILLE, FL

From: Gary Bennett

To: PAULA MACLAREN

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

ATTACHMENT

ORGANIC DATA QUALIFIER REPORT
Case Number 25558 Project Number 97-0292 SAS Number
Site ID.Brown's Dump, Jacksonville, FL

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
<u>Volatiles</u>			
10162 -	2-butanone	J	erratic response factor
10181	all compounds	J	exceeded holding times
11018	chloroform	J	< quantitation limit
<u>Extractables</u>			
all samples	bis(2-chloroethyl)ether	J	warning low on PE sample
	2,4,6-trichlorophenol	J	warning low on PE sample
	4-bromophenyl-phenylether	J	warning low on PE sample
	hexachlorobenzene	J	warning low on PE sample
except			
10154-10156, 10167,10174, 11760	all compounds	J	exceeded extraction holding times
10157	phenanthrene	J	< quantitation limit
	anthracene	J	< quantitation limit
	carbazole	J	< quantitation limit
	pyrene	J	erratic response factor
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10159	anthracene	J	< quantitation limit
	carbazole	J	< quantitation limit
	pyrene	J	erratic response factor
	benzo(b/k)fluoranthene	J	isomers not separated
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	dibenzo(a,h)anthracene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10169	phenanthrene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
10170	phenanthrene	J	< quantitation limit
	anthracene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit

ORGANIC DATA QUALIFIER REPORT
Case Number 25558

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
10172	acenaphthylene	J	< quantitation limit
	acenaphthene	J	< quantitation limit
	anthracene	J	< quantitation limit
	carbazole	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	dibenzo(a,h)anthracene	J	< quantitation limit
10173	phenanthrene	J	< quantitation limit
	fluroanthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10176	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10177	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10179	anthracene	J	< quantitation limit
	carbazole	J	< quantitation limit
	pyrene	J	erratic response factor
	benzo(b/k)fluoranthene	J	isomers not separated
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10180	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit

Pesticides

all samples	endosulfan II	R	missed on PE sample
10154	dieldrin	N	column differences
10155	dieldrin	J	< quantitation limit
10157	heptachlor	J	< quantitation limit
10159	4,4'-DDD	N	column differences
10163	endrin	J	warning high on PE sample
	4,4'-DDT	N	column differences

ORGANIC DATA QUALIFIER REPORT
Case Number 25558

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
10167	endosulfan I dieldrin	J J N	< quantitation limit < quantitation limit column differences
10171	heptachlor dieldrin aroclor-1260	J J J	< quantitation limit < quantitation limit < quantitation limit
10172, 10173, 10177	aroclor-1260	C	GC/MS confirmed
10173	4,4'-DDE 4,4'-DDD 4,4'-DDT	C C C	GC/MS confirmed GC/MS confirmed GC/MS confirmed
10178	beta-BHC heptachlor 4,4'-DDD 4,4'-DDT	J N J J N N	< quantitation limit column differences < quantitation limit < quantitation limit column differences column differences
10179	endrin	J N	warning high on PE sample column differences
10180	endrin aldehyde	J	< quantitation limit

Sample 10154 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS10

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN16

D Number: MN16

Printed by: John McConney

Collected By:

Beginning: 07/08/97 11:40

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
11U	UG/KG	CHLOROMETHANE
11U	UG/KG	BROMOMETHANE
11U	UG/KG	VINYL CHLORIDE
11U	UG/KG	CHLOROETHANE
11U	UG/KG	METHYLENE CHLORIDE
11U	UG/KG	ACETONE
11U	UG/KG	CARBON DISULFIDE
11U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
11U	UG/KG	1,1-DICHLOROETHANE
11U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
11U	UG/KG	CHLOROFORM
11U	UG/KG	1,2-DICHLOROETHANE
11U	UG/KG	METHYL ETHYL KETONE
11U	UG/KG	1,1,1-TRICHLOROETHANE
11U	UG/KG	CARBON TETRACHLORIDE
11U	UG/KG	BROMODICHLOROMETHANE
11U	UG/KG	1,2-DICHLOROPROPANE
11U	UG/KG	CIS-1,3-DICHLOROPROPENE
11U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
11U	UG/KG	DIBROMOCHLOROMETHANE
11U	UG/KG	1,1,2-TRICHLOROETHANE
11U	UG/KG	BENZENE
11U	UG/KG	TRANS-1,3-DICHLOROPROPENE
11U	UG/KG	BROMOFORM
11U	UG/KG	METHYL ISOBUTYL KETONE
11U	UG/KG	METHYL BUTYL KETONE
11U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11U	UG/KG	1,1,2,2-TETRACHLOROETHANE
11U	UG/KG	TOLUENE
11U	UG/KG	CHLOROBENZENE
11U	UG/KG	ETHYL BENZENE
11U	UG/KG	STYRENE
11U	UG/KG	TOTAL XYLEMES
6	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present, resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10155 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS06

MD Number: MN12

Media: SOIL

D Number: MN12

Printed by: John McConney

Collected By:

Beginning: 07/08/97 11:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
13U	UG/KG	CHLOROMETHANE
13U	UG/KG	BROMOMETHANE
13U	UG/KG	VINYL CHLORIDE
13U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
13U	UG/KG	ACETONE
13U	UG/KG	CARBON DISULFIDE
13U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
13U	UG/KG	1,1-DICHLOROETHANE
13U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
13U	UG/KG	CHLOROFORM
13U	UG/KG	1,2-DICHLOROETHANE
13U	UG/KG	METHYL ETHYL KETONE
13U	UG/KG	1,1,1-TRICHLOROETHANE
13U	UG/KG	CARBON TETRACHLORIDE
13U	UG/KG	BROMODICHLOROMETHANE
13U	UG/KG	1,2-DICHLOROPROPANE
13U	UG/KG	CIS-1,3-DICHLOROPROPENE
13U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
13U	UG/KG	DIBROMOCHLOROMETHANE
13U	UG/KG	1,1,2-TRICHLOROETHANE
13U	UG/KG	BENZENE
13U	UG/KG	TRANS-1,3-DICHLOROPROPENE
13U	UG/KG	BROMOFORM
13U	UG/KG	METHYL ISOBUTYL KETONE
13U	UG/KG	METHYL BUTYL KETONE
13U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
13U	UG/KG	1,1,2,2-TETRACHLOROETHANE
13U	UG/KG	TOLUENE
13U	UG/KG	CHLOROBENZENE
13U	UG/KG	ETHYL BENZENE
13U	UG/KG	STYRENE
13U	UG/KG	TOTAL XYLENES
22	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1 when no value is reported see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10156 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS09

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN15

D Number: MN15,

Printed by: John McConney

Collected By:

Beginning: 07/08/97 12:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

11U	UG/KG	CHLOROMETHANE
11U	UG/KG	BROMOMETHANE
11U	UG/KG	VINYL CHLORIDE
11U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
11U	UG/KG	ACETONE
11U	UG/KG	CARBON DISULFIDE
11U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
11U	UG/KG	1,1-DICHLOROETHANE
11U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
11U	UG/KG	CHLOROFORM
11U	UG/KG	1,2-DICHLOROETHANE
11U	UG/KG	METHYL ETHYL KETONE
11U	UG/KG	1,1,1-TRICHLOROETHANE
11U	UG/KG	CARBON TETRACHLORIDE
11U	UG/KG	BROMODICHLOROMETHANE
11U	UG/KG	1,2-DICHLOROPROPANE
11U	UG/KG	CIS-1,3-DICHLOROPROPENE
11U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
11U	UG/KG	DIBROMOCHLOROMETHANE
11U	UG/KG	1,1,2-TRICHLOROETHANE
11U	UG/KG	BENZENE
11U	UG/KG	TRANS-1,3-DICHLOROPROPENE
11U	UG/KG	BROMOFORM
11U	UG/KG	METHYL ISOBUTYL KETONE
11U	UG/KG	METHYL BUTYL KETONE
11U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11U	UG/KG	1,1,2,2-TETRACHLOROETHANE
11U	UG/KG	TOLUENE
11U	UG/KG	CHLOROBENZENE
11U	UG/KG	ETHYL BENZENE
11U	UG/KG	STYRENE
11U	UG/KG	TOTAL XYLEMES
12	%	% MOISTURE

10

01
23

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by name. 1 when no value is reported. see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10157 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS07

MD Number: MN13

Media: SOIL

D Number: MN13

Printed by: John McConney

Collected By:

Beginning: 07/08/97 12:30

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
11U	UG/KG	CHLOROMETHANE
11U	UG/KG	BROMOMETHANE
11U	UG/KG	VINYL CHLORIDE
11U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
11U	UG/KG	ACETONE
11U	UG/KG	CARBON DISULFIDE
11U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
11U	UG/KG	1,1-DICHLOROETHANE
11U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
11U	UG/KG	CHLOROFORM
11U	UG/KG	1,2-DICHLOROETHANE
11U	UG/KG	METHYL ETHYL KETONE
11U	UG/KG	1,1,1-TRICHLOROETHANE
11U	UG/KG	CARBON TETRACHLORIDE
11U	UG/KG	BROMODICHLOROMETHANE
11U	UG/KG	1,2-DICHLOROPROPANE
11U	UG/KG	CIS-1,3-DICHLOROPROPENE
11U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
11U	UG/KG	DIBROMOCHLOROMETHANE
11U	UG/KG	1,1,2-TRICHLOROETHANE
11U	UG/KG	BENZENE
11U	UG/KG	TRANS-1,3-DICHLOROPROPENE
11U	UG/KG	BROMOFORM
11U	UG/KG	METHYL ISOBUTYL KETONE
11U	UG/KG	METHYL BUTYL KETONE
11U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11U	UG/KG	1,1,2,2-TETRACHLOROETHANE
11U	UG/KG	TOLUENE
11U	UG/KG	CHLOROBENZENE
11U	UG/KG	ETHYL BENZENE
11U	UG/KG	STYRENE
11U	UG/KG	TOTAL XYLEMES
10	%	% MOISTURE

A-average value. NA-not analyzed. NAI-Interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by noms' 1 when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10158 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station:BDMW01

Media: GROUNDWA

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN37

D Number: MN37,

Printed by: John McConney

Collected By:

Beginning: 07/08/97 12:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
10U	UG/L	CHLOROMETHANE
10U	UG/L	BROMOMETHANE
10U	UG/L	VINYL CHLORIDE
10U	UG/L	CHLOROETHANE
10U	UG/L	METHYLENE CHLORIDE
10U	UG/L	ACETONE
10U	UG/L	CARBON DISULFIDE
10U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
10U	UG/L	1,1-DICHLOROETHANE
10U	UG/L	1,2-DICHLOROETHENE (TOTAL)
10U	UG/L	CHLOROFORM
10U	UG/L	1,2-DICHLOROETHANE
10U	UG/L	METHYL ETHYL KETONE
10U	UG/L	1,1,1-TRICHLOROETHANE
10U	UG/L	CARBON TETRACHLORIDE
10U	UG/L	BROMODICHLOROMETHANE
10U	UG/L	1,2-DICHLOROPROPANE
10U	UG/L	CIS-1,3-DICHLOROPROPENE
10U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)
10U	UG/L	DIBROMOCHLOROMETHANE
10U	UG/L	1,1,2-TRICHLOROETHANE
10U	UG/L	BENZENE
10U	UG/L	TRANS-1,3-DICHLOROPROPENE
10U	UG/L	BROMOFORM
10U	UG/L	METHYL ISOBUTYL KETONE
10U	UG/L	METHYL BUTYL KETONE
10U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10U	UG/L	1,1,2,2-TETRACHLOROETHANE
10U	UG/L	TOLUENE
10U	UG/L	CHLOROBENZENE
10U	UG/L	ETHYL BENZENE
10U	UG/L	STYRENE
10U	UG/L	TOTAL XYLEMES

A-average value. NA-not analyzed. NAI-Interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100134

Sample 10159 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD04

MD Number: MN32

Media: SOIL

D Number: MN32

Printed by: John McConney

Collected By:

Beginning: 07/08/97 15:05

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
15U	UG/KG	CHLOROMETHANE
15U	UG/KG	BROMOMETHANE
15U	UG/KG	VINYL CHLORIDE
15U	UG/KG	CHLOROETHANE
30U	UG/KG	METHYLENE CHLORIDE
30U	UG/KG	ACETONE
15U	UG/KG	CARBON DISULFIDE
15U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
15U	UG/KG	1,1-DICHLOROETHANE
15U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
15U	UG/KG	CHLOROFORM
15U	UG/KG	1,2-DICHLOROETHANE
15U	UG/KG	METHYL ETHYL KETONE
15U	UG/KG	1,1,1-TRICHLOROETHANE
15U	UG/KG	CARBON TETRACHLORIDE
15U	UG/KG	BROMODICHLOROMETHANE
15U	UG/KG	1,2-DICHLOROPROPANE
15U	UG/KG	CIS-1,3-DICHLOROPROPENE
15U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
15U	UG/KG	DIBROMOCHLOROMETHANE
15U	UG/KG	1,1,2-TRICHLOROETHANE
15U	UG/KG	BENZENE
15U	UG/KG	TRANS-1,3-DICHLOROPROPENE
15U	UG/KG	BROMOFORM
15U	UG/KG	METHYL ISOBUTYL KETONE
15U	UG/KG	METHYL BUTYL KETONE
15U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
15U	UG/KG	1,1,2,2-TETRACHLOROETHANE
15U	UG/KG	TOLUENE
15U	UG/KG	CHLOROBENZENE
15U	UG/KG	ETHYL BENZENE
15U	UG/KG	STYRENE
15U	UG/KG	TOTAL XYLEMES
34	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100135

Sample 10160 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station:BDSW04

Media: SURFACEWA

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN36

D Number: MN36

Printed by: John McConney

Collected By:

Beginning: 07/08/97 15:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
10U	UG/L	CHLOROMETHANE
10U	UG/L	BROMOMETHANE
10U	UG/L	VINYL CHLORIDE
10U	UG/L	CHLOROETHANE
10U	UG/L	METHYLENE CHLORIDE
10U	UG/L	ACETONE
10U	UG/L	CARBON DISULFIDE
10U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
10U	UG/L	1,1-DICHLOROETHANE
10U	UG/L	1,2-DICHLOROETHENE (TOTAL)
10U	UG/L	CHLOROFORM
10U	UG/L	1,2-DICHLOROETHANE
10U	UG/L	METHYL ETHYL KETONE
10U	UG/L	1,1,1-TRICHLOROETHANE
10U	UG/L	CARBON TETRACHLORIDE
10U	UG/L	BROMODICHLOROMETHANE
10U	UG/L	1,2-DICHLOROPROPANE
10U	UG/L	CIS-1,3-DICHLOROPROPENE
10U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)
10U	UG/L	DIBROMOCHLOROMETHANE
10U	UG/L	1,1,2-TRICHLOROETHANE
10U	UG/L	BENZENE
10U	UG/L	TRANS-1,3-DICHLOROPROPENE
10U	UG/L	BROMOFORM
10U	UG/L	METHYL ISOBUTYL KETONE
10U	UG/L	METHYL BUTYL KETONE
10U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10U	UG/L	1,1,2,2-TETRACHLOROETHANE
10U	UG/L	TOLUENE
10U	UG/L	CHLOROBENZENE
10U	UG/L	ETHYL BENZENE
10U	UG/L	STYRENE
10U	UG/L	TOTAL XYLENES

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-rc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

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0136

Sample 10161 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDMW05

MD Number: MN41

Media: GROUNDWA

D Number: MN41

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/08/97 15:05

Ending:

RESULTS	UNITS	ANALYTE
10U	UG/L	CHLOROMETHANE
10U	UG/L	BROMOMETHANE
10U	UG/L	VINYL CHLORIDE
10U	UG/L	CHLOROETHANE
10U	UG/L	METHYLENE CHLORIDE
10U	UG/L	ACETONE
10U	UG/L	CARBON DISULFIDE
10U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
10U	UG/L	1,1-DICHLOROETHANE
10U	UG/L	1,2-DICHLOROETHENE (TOTAL)
10U	UG/L	CHLOROFORM
10U	UG/L	1,2-DICHLOROETHANE
10U	UG/L	METHYL ETHYL KETONE
10U	UG/L	1,1,1-TRICHLOROETHANE
10U	UG/L	CARBON TETRACHLORIDE
10U	UG/L	BROMODICHLOROMETHANE
10U	UG/L	1,2-DICHLOROPROPANE
10U	UG/L	CIS-1,3-DICHLOROPROPENE
10U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)
10U	UG/L	DIBROMOCHLOROMETHANE
10U	UG/L	1,1,2-TRICHLOROETHANE
10U	UG/L	BENZENE
10U	UG/L	TRANS-1,3-DICHLOROPROPENE
10U	UG/L	BROMOFORM
10U	UG/L	METHYL ISOBUTYL KETONE
10U	UG/L	METHYL BUTYL KETONE
10U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10U	UG/L	1,1,2,2-TETRACHLOROETHANE
10U	UG/L	TOLUENE
10U	UG/L	CHLOROBENZENE
10U	UG/L	ETHYL BENZENE
10U	UG/L	STYRENE
10U	UG/L	TOTAL XYLEMES

1100137

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10162 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSW03

Media: SURFACEWA

Case Number: 25558

MD Number: MN35

D Number: MN35

Printed by: John McConney

Collected By:

Beginning: 07/08/97 16:10

Ending:

RESULTS	UNITS	ANALYTE
10U	UG/L	CHLOROMETHANE
10U	UG/L	BROMOMETHANE
10U	UG/L	VINYL CHLORIDE
10U	UG/L	CHLOROETHANE
10U	UG/L	METHYLENE CHLORIDE
10U	UG/L	ACETONE
10U	UG/L	CARBON DISULFIDE
10U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
10U	UG/L	1,1-DICHLOROETHANE
10U	UG/L	1,2-DICHLOROETHENE (TOTAL)
10U	UG/L	CHLOROFORM
10U	UG/L	1,2-DICHLOROETHANE
37J	UG/L	METHYL ETHYL KETONE
10U	UG/L	1,1,1-TRICHLOROETHANE
10U	UG/L	CARBON TETRACHLORIDE
10U	UG/L	BROMODICHLOROMETHANE
10U	UG/L	1,2-DICHLOROPROPANE
10U	UG/L	CIS-1,3-DICHLOROPROPENE
10U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)
10U	UG/L	DIBROMOCHLOROMETHANE
10U	UG/L	1,1,2-TRICHLOROETHANE
10U	UG/L	BENZENE
10U	UG/L	TRANS-1,3-DICHLOROPROPENE
10U	UG/L	BROMOFORM
10U	UG/L	METHYL ISOBUTYL KETONE
10U	UG/L	METHYL BUTYL KETONE
10U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10U	UG/L	1,1,2,2-TETRACHLOROETHANE
10U	UG/L	TOLUENE
10U	UG/L	CHLOROBENZENE
10U	UG/L	ETHYL BENZENE
10U	UG/L	STYRENE
10U	UG/L	TOTAL XYLEMES

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10163 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD03

MD Number: MN31

Media: SOIL

D Number: MN31

Printed by: John McConney

Collected By:

Beginning: 07/08/97 16:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
14U	UG/KG	CHLOROMETHANE
14U	UG/KG	BROMOMETHANE
14U	UG/KG	VINYL CHLORIDE
14U	UG/KG	CHLOROETHANE
30U	UG/KG	METHYLENE CHLORIDE
40U	UG/KG	ACETONE
14U	UG/KG	CARBON DISULFIDE
14U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
14U	UG/KG	1,1-DICHLOROETHANE
14U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
14U	UG/KG	CHLOROFORM
14U	UG/KG	1,2-DICHLOROETHANE
14U	UG/KG	METHYL ETHYL KETONE
14U	UG/KG	1,1,1-TRICHLOROETHANE
14U	UG/KG	CARBON TETRACHLORIDE
14U	UG/KG	BROMODICHLOROMETHANE
14U	UG/KG	1,2-DICHLOROPROPANE
14U	UG/KG	CIS-1,3-DICHLOROPROPENE
14U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
14U	UG/KG	DIBROMOCHLOROMETHANE
14U	UG/KG	1,1,2-TRICHLOROETHANE
14U	UG/KG	BENZENE
14U	UG/KG	TRANS-1,3-DICHLOROPROPENE
14U	UG/KG	BROMOFORM
14U	UG/KG	METHYL ISOBUTYL KETONE
14U	UG/KG	METHYL BUTYL KETONE
14U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
14U	UG/KG	1,1,2,2-TETRACHLOROETHANE
14U	UG/KG	TOLUENE
14U	UG/KG	CHLOROBENZENE
14U	UG/KG	ETHYL BENZENE
14U	UG/KG	STYRENE
14U	UG/KG	TOTAL XYLEMES
26	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

110

0159

Sample 10164 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDMW06

Media: GROUNDWA

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN39

D Number: MN39

Printed by: John McConney

Collected By:

Beginning: 07/08/97 17:15

Ending:

RESULTS	UNITS	ANALYTE
10U	UG/L	CHLOROMETHANE
10U	UG/L	BROMOMETHANE
10U	UG/L	VINYL CHLORIDE
10U	UG/L	CHLOROETHANE
10U	UG/L	METHYLENE CHLORIDE
10U	UG/L	ACETONE
10U	UG/L	CARBON DISULFIDE
10U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
10U	UG/L	1,1-DICHLOROETHANE
10U	UG/L	1,2-DICHLOROETHENE (TOTAL)
10U	UG/L	CHLOROFORM
10U	UG/L	1,2-DICHLOROETHANE
10U	UG/L	METHYL ETHYL KETONE
10U	UG/L	1,1,1-TRICHLOROETHANE
10U	UG/L	CARBON TETRACHLORIDE
10U	UG/L	BROMODICHLOROMETHANE
10U	UG/L	1,2-DICHLOROPROPANE
10U	UG/L	CIS-1,3-DICHLOROPROPENE
10U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)
10U	UG/L	DIBROMOCHLOROMETHANE
10U	UG/L	1,1,2-TRICHLOROETHANE
10U	UG/L	BENZENE
10U	UG/L	TRANS-1,3-DICHLOROPROPENE
10U	UG/L	BROMOFORM
10U	UG/L	METHYL ISOBUTYL KETONE
10U	UG/L	METHYL BUTYL KETONE
10U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10U	UG/L	1,1,2,2-TETRACHLOROETHANE
10U	UG/L	TOLUENE
10U	UG/L	CHLOROBENZENE
10U	UG/L	ETHYL BENZENE
10U	UG/L	STYRENE
10U	UG/L	TOTAL XYLENES

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10165 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSW01

MD Number: MN33

Media: SURFACEWA

D Number: MN33

Printed by: John McConney

Collected By:

Beginning: 07/09/97 09:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
10U	UG/L	CHLOROMETHANE
10U	UG/L	BROMOMETHANE
10U	UG/L	VINYL CHLORIDE
10U	UG/L	CHLOROETHANE
10U	UG/L	METHYLENE CHLORIDE
10U	UG/L	ACETONE
10U	UG/L	CARBON DISULFIDE
10U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
10U	UG/L	1,1-DICHLOROETHANE
10U	UG/L	1,2-DICHLOROETHENE (TOTAL)
10U	UG/L	CHLOROFORM
10U	UG/L	1,2-DICHLOROETHANE
10U	UG/L	METHYL ETHYL KETONE
10U	UG/L	1,1,1-TRICHLOROETHANE
10U	UG/L	CARBON TETRACHLORIDE
10U	UG/L	BROMODICHLOROMETHANE
10U	UG/L	1,2-DICHLOROPROPANE
10U	UG/L	CIS-1,3-DICHLOROPROPENE
10U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)
10U	UG/L	DIBROMOCHLOROMETHANE
10U	UG/L	1,1,2-TRICHLOROETHANE
10U	UG/L	BENZENE
10U	UG/L	TRANS-1,3-DICHLOROPROPENE
10U	UG/L	BROMOFORM
10U	UG/L	METHYL ISOBUTYL KETONE
10U	UG/L	METHYL BUTYL KETONE
10U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10U	UG/L	1,1,2,2-TETRACHLOROETHANE
10U	UG/L	TOLUENE
10U	UG/L	CHLOROBENZENE
10U	UG/L	ETHYL BENZENE
10U	UG/L	STYRENE
10U	UG/L	TOTAL XYLENES

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc Indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10166 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP
Program: NSF
Id/Station:BDSW02
Media: SURFACEWAJACKSONVILLE, FL
Case Number: 25558
MD Number: MN34
D Number: MN34Inorg Contractor: SENTIN
Org Contractor: COMPU

Printed by: John McConney

Collected By:
Beginning: 07/09/97 09:00
Ending:

RESULTS	UNITS	ANALYTE
10U	UG/L	CHLOROMETHANE
10U	UG/L	BROMOMETHANE
10U	UG/L	VINYL CHLORIDE
10U	UG/L	CHLOROETHANE
10U	UG/L	METHYLENE CHLORIDE
10U	UG/L	ACETONE
10U	UG/L	CARBON DISULFIDE
10U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
10U	UG/L	1,1-DICHLOROETHANE
10U	UG/L	1,2-DICHLOROETHENE (TOTAL)
10U	UG/L	CHLOROFORM
10U	UG/L	1,2-DICHLOROETHANE
10U	UG/L	METHYL ETHYL KETONE
10U	UG/L	1,1,1-TRICHLOROETHANE
10U	UG/L	CARBON TETRACHLORIDE
10U	UG/L	BROMODICHLOROMETHANE
10U	UG/L	1,2-DICHLOROPROPANE
10U	UG/L	CIS-1,3-DICHLOROPROPENE
10U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)
10U	UG/L	DIBROMOCHLOROMETHANE
10U	UG/L	1,1,2-TRICHLOROETHANE
10U	UG/L	BENZENE
10U	UG/L	TRANS-1,3-DICHLOROPROPENE
10U	UG/L	BROMOFORM
10U	UG/L	METHYL ISOBUTYL KETONE
10U	UG/L	METHYL BUTYL KETONE
10U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10U	UG/L	1,1,2,2-TETRACHLOROETHANE
10U	UG/L	TOLUENE
10U	UG/L	CHLOROBENZENE
10U	UG/L	ETHYL BENZENE
10U	UG/L	STYRENE
10U	UG/L	TOTAL XYLENES

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2

Sample 10167 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSD01

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN29

D Number: MN29

Printed by: John McConney

Collected By:

Beginning: 07/09/97 09:30

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
12U	UG/KG	CHLOROMETHANE
12U	UG/KG	BROMOMETHANE
12U	UG/KG	VINYL CHLORIDE
12U	UG/KG	CHLOROETHANE
12U	UG/KG	METHYLENE CHLORIDE
12U	UG/KG	ACETONE
12U	UG/KG	CARBON DISULFIDE
12U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
12U	UG/KG	1,1-DICHLOROETHANE
12U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
12U	UG/KG	CHLOROFORM
12U	UG/KG	1,2-DICHLOROETHANE
12U	UG/KG	METHYL ETHYL KETONE
12U	UG/KG	1,1,1-TRICHLOROETHANE
12U	UG/KG	CARBON TETRACHLORIDE
12U	UG/KG	BROMODICHLOROMETHANE
12U	UG/KG	1,2-DICHLOROPROPANE
12U	UG/KG	CIS-1,3-DICHLOROPROPENE
12U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
12U	UG/KG	DIBROMOCHLOROMETHANE
12U	UG/KG	1,1,2-TRICHLOROETHANE
12U	UG/KG	BENZENE
12U	UG/KG	TRANS-1,3-DICHLOROPROPENE
12U	UG/KG	BROMOFORM
12U	UG/KG	METHYL ISOBUTYL KETONE
12U	UG/KG	METHYL BUTYL KETONE
12U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
12U	UG/KG	1,1,2,2-TETRACHLOROETHANE
12U	UG/KG	TOLUENE
12U	UG/KG	CHLOROBENZENE
12U	UG/KG	ETHYL BENZENE
12U	UG/KG	STYRENE
12U	UG/KG	TOTAL XYLENES
20	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100143

Sample 10168 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSD02

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN30

D Number: MN30

Printed by: John McConney

Collected By:

Beginning: 07/09/97 09:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

13U	UG/KG	CHLOROMETHANE
13U	UG/KG	BROMOMETHANE
13U	UG/KG	VINYL CHLORIDE
13U	UG/KG	CHLOROETHANE
30U	UG/KG	METHYLENE CHLORIDE
40U	UG/KG	ACETONE
13U	UG/KG	CARBON DISULFIDE
13U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
13U	UG/KG	1,1-DICHLOROETHANE
13U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
13U	UG/KG	CHLOROFORM
13U	UG/KG	1,2-DICHLOROETHANE
13U	UG/KG	METHYL ETHYL KETONE
13U	UG/KG	1,1,1-TRICHLOROETHANE
13U	UG/KG	CARBON TETRACHLORIDE
13U	UG/KG	BROMODICHLOROMETHANE
13U	UG/KG	1,2-DICHLOROPROPANE
13U	UG/KG	CIS-1,3-DICHLOROPROPENE
13U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
13U	UG/KG	DIBROMOCHLOROMETHANE
13U	UG/KG	1,1,2-TRICHLOROETHANE
13U	UG/KG	BENZENE
13U	UG/KG	TRANS-1,3-DICHLOROPROPENE
13U	UG/KG	BROMOFORM
13U	UG/KG	METHYL ISOBUTYL KETONE
13U	UG/KG	METHYL BUTYL KETONE
13U	UG/KG	TETRAHALOETHENE (TETRAHALOETHYLENE)
13U	UG/KG	1,1,2,2-TETRAHALOETHANE
13U	UG/KG	TOLUENE
13U	UG/KG	CHLOROBENZENE
13U	UG/KG	ETHYL BENZENE
13U	UG/KG	STYRENE
13U	UG/KG	TOTAL XYLEMES
21	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

11000144

Sample 10169 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS04

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN10

D Number: MN10

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/09/97 10:45

Ending:

RESULTS	UNITS	ANALYTE
11U	UG/KG	CHLOROMETHANE
11U	UG/KG	BROMOMETHANE
11U	UG/KG	VINYL CHLORIDE
11U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
11U	UG/KG	ACETONE
11U	UG/KG	CARBON DISULFIDE
11U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
11U	UG/KG	1,1-DICHLOROETHANE
11U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
11U	UG/KG	CHLOROFORM
11U	UG/KG	1,2-DICHLOROETHANE
11U	UG/KG	METHYL ETHYL KETONE
11U	UG/KG	1,1,1-TRICHLOROETHANE
11U	UG/KG	CARBON TETRACHLORIDE
11U	UG/KG	BROMODICHLOROMETHANE
11U	UG/KG	1,2-DICHLOROPROPANE
11U	UG/KG	CIS-1,3-DICHLOROPROPENE
11U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
11U	UG/KG	DIBROMOCHLOROMETHANE
11U	UG/KG	1,1,2-TRICHLOROETHANE
11U	UG/KG	BENZENE
11U	UG/KG	TRANS-1,3-DICHLOROPROPENE
11U	UG/KG	BROMOFORM
11U	UG/KG	METHYL ISOBUTYL KETONE
11U	UG/KG	METHYL BUTYL KETONE
11U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11U	UG/KG	1,1,2,2-TETRACHLOROETHANE
11U	UG/KG	TOLUENE
11U	UG/KG	CHLOROBENZENE
11U	UG/KG	ETHYL BENZENE
11U	UG/KG	STYRENE
11U	UG/KG	TOTAL XYLEMES
10	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-rc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10170 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS08

MD Number: MN14

Media: SOIL

D Number: MN14

Printed by: John McConney

Collected By:

Beginning: 07/09/97 11:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
11U	UG/KG	CHLOROMETHANE
11U	UG/KG	BROMOMETHANE
11U	UG/KG	VINYL CHLORIDE
11U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
11U	UG/KG	ACETONE
11U	UG/KG	CARBON DISULFIDE
11U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
11U	UG/KG	1,1-DICHLOROETHANE
11U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
11U	UG/KG	CHLOROFORM
11U	UG/KG	1,2-DICHLOROETHANE
11U	UG/KG	METHYL ETHYL KETONE
11U	UG/KG	1,1,1-TRICHLOROETHANE
11U	UG/KG	CARBON TETRACHLORIDE
11U	UG/KG	BROMODICHLOROMETHANE
11U	UG/KG	1,2-DICHLOROPROPANE
11U	UG/KG	CIS-1,3-DICHLOROPROPENE
11U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
11U	UG/KG	DIBROMOCHLOROMETHANE
11U	UG/KG	1,1,2-TRICHLOROETHANE
11U	UG/KG	BENZENE
11U	UG/KG	TRANS-1,3-DICHLOROPROPENE
11U	UG/KG	BROMOFORM
11U	UG/KG	METHYL ISOBUTYL KETONE
11U	UG/KG	METHYL BUTYL KETONE
11U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11U	UG/KG	1,1,2,2-TETRACHLOROETHANE
11U	UG/KG	TOLUENE
11U	UG/KG	CHLOROBENZENE
11U	UG/KG	ETHYL BENZENE
11U	UG/KG	STYRENE
11U	UG/KG	TOTAL XYLEMES
6	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable, compound may or may not be present, resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

100146

Sample 10171 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP
 Program: NSF
 Id/Station: BDSS12
 Media: SOIL

JACKSONVILLE, FL
 Case Number: 25558
 MD Number: MN18
 D Number: MN18

Printed by: John McConney

Collected By:
 Beginning: 07/09/97 12:00
 Ending:

Inorg Contractor: SENTIN
 Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
12U	UG/KG	CHLOROMETHANE
12U	UG/KG	BROMOMETHANE
12U	UG/KG	VINYL CHLORIDE
12U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
12U	UG/KG	ACETONE
12U	UG/KG	CARBON DISULFIDE
12U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
12U	UG/KG	1,1-DICHLOROETHANE
12U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
12U	UG/KG	CHLOROFORM
12U	UG/KG	1,2-DICHLOROETHANE
12U	UG/KG	METHYL ETHYL KETONE
12U	UG/KG	1,1,1-TRICHLOROETHANE
12U	UG/KG	CARBON TETRACHLORIDE
12U	UG/KG	BROMODICHLOROMETHANE
12U	UG/KG	1,2-DICHLOROPROPANE
12U	UG/KG	CIS-1,3-DICHLOROPROPENE
12U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
12U	UG/KG	DIBROMOCHLOROMETHANE
12U	UG/KG	1,1,2-TRICHLOROETHANE
12U	UG/KG	BENZENE
12U	UG/KG	TRANS-1,3-DICHLOROPROPENE
12U	UG/KG	BROMOFORM
12U	UG/KG	METHYL ISOBUTYL KETONE
12U	UG/KG	METHYL BUTYL KETONE
12U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
12U	UG/KG	1,1,2,2-TETRACHLOROETHANE
12U	UG/KG	TOLUENE
12U	UG/KG	CHLOROBENZENE
12U	UG/KG	ETHYL BENZENE
12U	UG/KG	STYRENE
12U	UG/KG	TOTAL XYLEMES
14	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100147

Sample 10172 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP JACKSONVILLE, FL
 Program: NSF Case Number: 25558
 Id/Station: BDSS15 MD Number: MN21
 Media: SOIL D Number: MN21

Printed by: John McConney

Collected By:

Beginning: 07/09/97 12:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
13U	UG/KG	CHLOROMETHANE
13U	UG/KG	BROMOMETHANE
13U	UG/KG	VINYL CHLORIDE
13U	UG/KG	CHLOROETHANE
13U	UG/KG	METHYLENE CHLORIDE
13U	UG/KG	ACETONE
13U	UG/KG	CARBON DISULFIDE
13U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
13U	UG/KG	1,1-DICHLOROETHANE
13U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
13U	UG/KG	CHLOROFORM
13U	UG/KG	1,2-DICHLOROETHANE
13U	UG/KG	METHYL ETHYL KETONE
13U	UG/KG	1,1,1-TRICHLOROETHANE
13U	UG/KG	CARBON TETRACHLORIDE
13U	UG/KG	BROMODICHLOROMETHANE
13U	UG/KG	1,2-DICHLOROPROPANE
13U	UG/KG	CIS-1,3-DICHLOROPROPENE
13U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
13U	UG/KG	DIBROMOCHLOROMETHANE
13U	UG/KG	1,1,2-TRICHLOROETHANE
13U	UG/KG	BENZENE
13U	UG/KG	TRANS-1,3-DICHLOROPROPENE
13U	UG/KG	BROMOFORM
13U	UG/KG	METHYL ISOBUTYL KETONE
13U	UG/KG	METHYL BUTYL KETONE
13U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
13U	UG/KG	1,1,2,2-TETRACHLOROETHANE
13U	UG/KG	TOLUENE
13U	UG/KG	CHLOROBENZENE
13U	UG/KG	ETHYL BENZENE
13U	UG/KG	STYRENE
13U	UG/KG	TOTAL XYLEMES
25	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by ncms: 1 when no value is reported, see chlordane constituents 2 constituents or metabolites of technical chlordane

Sample 10173 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS11

MD Number: MN17

Media: SOIL

D Number: MN17

Printed by: John McConney

Collected By:

Beginning: 07/09/97 11:45

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
13U	UG/KG	CHLOROMETHANE
13U	UG/KG	BROMOMETHANE
13U	UG/KG	VINYL CHLORIDE
13U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
13U	UG/KG	ACETONE
13U	UG/KG	CARBON DISULFIDE
13U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
13U	UG/KG	1,1-DICHLOROETHANE
13U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
13U	UG/KG	CHLOROFORM
13U	UG/KG	1,2-DICHLOROETHANE
13U	UG/KG	METHYL ETHYL KETONE
13U	UG/KG	1,1,1-TRICHLOROETHANE
13U	UG/KG	CARBON TETRACHLORIDE
13U	UG/KG	BROMODICHLOROMETHANE
13U	UG/KG	1,2-DICHLOROPROPANE
13U	UG/KG	CIS-1,3-DICHLOROPROPENE
13U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
13U	UG/KG	DIBROMOCHLOROMETHANE
13U	UG/KG	1,1,2-TRICHLOROETHANE
13U	UG/KG	BENZENE
13U	UG/KG	TRANS-1,3-DICHLOROPROPENE
13U	UG/KG	BROMOFORM
13U	UG/KG	METHYL ISOBUTYL KETONE
13U	UG/KG	METHYL BUTYL KETONE
13U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
13U	UG/KG	1,1,2,2-TETRACHLOROETHANE
13U	UG/KG	TOLUENE
13U	UG/KG	CHLOROBENZENE
13U	UG/KG	ETHYL BENZENE
13U	UG/KG	STYRENE
13U	UG/KG	TOTAL XYLEMES
25	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100140

Sample 10174 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS01

MD Number: MN07

Media: SOIL

D Number: MN07,

Printed by: John McConney

Collected By:

Beginning: 07/09/97 11:35

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
12U	UG/KG	CHLOROMETHANE
12U	UG/KG	BROMOMETHANE
12U	UG/KG	VINYL CHLORIDE
12U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
12U	UG/KG	ACETONE
12U	UG/KG	CARBON DISULFIDE
12U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
12U	UG/KG	1,1-DICHLOROETHANE
12U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
12U	UG/KG	CHLOROFORM
12U	UG/KG	1,2-DICHLOROETHANE
12U	UG/KG	METHYL ETHYL KETONE
12U	UG/KG	1,1,1-TRICHLOROETHANE
12U	UG/KG	CARBON TETRACHLORIDE
12U	UG/KG	BROMODICHLOROMETHANE
12U	UG/KG	1,2-DICHLOROPROPANE
12U	UG/KG	CIS-1,3-DICHLOROPROPENE
12U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
12U	UG/KG	DIBROMOCHLOROMETHANE
12U	UG/KG	1,1,2-TRICHLOROETHANE
12U	UG/KG	BENZENE
12U	UG/KG	TRANS-1,3-DICHLOROPROPENE
12U	UG/KG	BROMOFORM
12U	UG/KG	METHYL ISOBUTYL KETONE
12U	UG/KG	METHYL BUTYL KETONE
12U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
12U	UG/KG	1,1,2,2-TETRACHLOROETHANE
12U	UG/KG	TOLUENE
12U	UG/KG	CHLOROBENZENE
12U	UG/KG	ETHYL BENZENE
12U	UG/KG	STYRENE
12U	UG/KG	TOTAL XYLENES
18	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10175 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP
 Program: NSF
 Id/Station:BDMW04
 Media: GROUNDWA

JACKSONVILLE, FL
 Case Number: 25558
 MD Number: MN40
 D Number: MN40

Inorg Contractor: SENTIN
 Org Contractor: COMPU

Printed by: John McConney

Collected By:
 Beginning: 07/09/97 14:00
 Ending:

RESULTS	UNITS	ANALYTE
10U	UG/L	CHLOROMETHANE
10U	UG/L	BROMOMETHANE
10U	UG/L	VINYL CHLORIDE
10U	UG/L	CHLOROETHANE
10U	UG/L	METHYLENE CHLORIDE
10U	UG/L	ACETONE
10U	UG/L	CARBON DISULFIDE
10U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
10U	UG/L	1,1-DICHLOROETHANE
10U	UG/L	1,2-DICHLOROETHENE (TOTAL)
10U	UG/L	CHLOROFORM
10U	UG/L	1,2-DICHLOROETHANE
10U	UG/L	METHYL ETHYL KETONE
10U	UG/L	1,1,1-TRICHLOROETHANE
10U	UG/L	CARBON TETRACHLORIDE
10U	UG/L	BROMODICHLOROMETHANE
10U	UG/L	1,2-DICHLOROPROPANE
10U	UG/L	CIS-1,3-DICHLOROPROPENE
10U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)
10U	UG/L	DIBROMOCHLOROMETHANE
10U	UG/L	1,1,2-TRICHLOROETHANE
10U	UG/L	BENZENE
10U	UG/L	TRANS-1,3-DICHLOROPROPENE
10U	UG/L	BROMOFORM
10U	UG/L	METHYL ISOBUTYL KETONE
10U	UG/L	METHYL BUTYL KETONE
10U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10U	UG/L	1,1,2,2-TETRACHLOROETHANE
10U	UG/L	TOLUENE
10U	UG/L	CHLOROBENZENE
10U	UG/L	ETHYL BENZENE
10U	UG/L	STYRENE
10U	UG/L	TOTAL XYLENES

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10176 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS03

MD Number: MN09

Media: SOIL

D Number: MN09

Printed by: John McConney

Collected By:

Beginning: 07/09/97 15:50

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

12U	UG/KG	CHLOROMETHANE
12U	UG/KG	BROMOMETHANE
12U	UG/KG	VINYL CHLORIDE
12U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
12U	UG/KG	ACETONE
12U	UG/KG	CARBON DISULFIDE
12U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
12U	UG/KG	1,1-DICHLOROETHANE
12U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
12U	UG/KG	CHLOROFORM
12U	UG/KG	1,2-DICHLOROETHANE
12U	UG/KG	METHYL ETHYL KETONE
12U	UG/KG	1,1,1-TRICHLOROETHANE
12U	UG/KG	CARBON TETRACHLORIDE
12U	UG/KG	BROMODICHLOROMETHANE
12U	UG/KG	1,2-DICHLOROPROPANE
12U	UG/KG	CIS-1,3-DICHLOROPROPENE
12U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
12U	UG/KG	DIBROMOCHLOROMETHANE
12U	UG/KG	1,1,2-TRICHLOROETHANE
12U	UG/KG	BENZENE
12U	UG/KG	TRANS-1,3-DICHLOROPROPENE
12U	UG/KG	BROMOFORM
12U	UG/KG	METHYL ISOBUTYL KETONE
12U	UG/KG	METHYL BUTYL KETONE
12U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
12U	UG/KG	1,1,2,2-TETRACHLOROETHANE
12U	UG/KG	TOLUENE
12U	UG/KG	CHLOROBENZENE
12U	UG/KG	ETHYL BENZENE
12U	UG/KG	STYRENE
12U	UG/KG	TOTAL XYLEMES
20	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable, compound may or may not be present, resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10177 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS13

MD Number: MN19

Media: SOIL

D Number: MN19

Printed by: John McConney

Collected By:

Beginning: 07/09/97 15:15

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
13U	UG/KG	CHLOROMETHANE
13U	UG/KG	BROMOMETHANE
13U	UG/KG	VINYL CHLORIDE
13U	UG/KG	CHLOROETHANE
13U	UG/KG	METHYLENE CHLORIDE
13U	UG/KG	ACETONE
13U	UG/KG	CARBON DISULFIDE
13U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
13U	UG/KG	1,1-DICHLOROETHANE
13U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
13U	UG/KG	CHLOROFORM
13U	UG/KG	1,2-DICHLOROETHANE
13U	UG/KG	METHYL ETHYL KETONE
13U	UG/KG	1,1,1-TRICHLOROETHANE
13U	UG/KG	CARBON TETRACHLORIDE
13U	UG/KG	BROMODICHLOROMETHANE
13U	UG/KG	1,2-DICHLOROPROPANE
13U	UG/KG	CIS-1,3-DICHLOROPROPENE
13U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
13U	UG/KG	DIBROMOCHLOROMETHANE
13U	UG/KG	1,1,2-TRICHLOROETHANE
13U	UG/KG	BENZENE
13U	UG/KG	TRANS-1,3-DICHLOROPROPENE
13U	UG/KG	BROMOFORM
13U	UG/KG	METHYL ISOBUTYL KETONE
13U	UG/KG	METHYL BUTYL KETONE
13U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
13U	UG/KG	1,1,2,2-TETRACHLOROETHANE
13U	UG/KG	TOLUENE
13U	UG/KG	CHLOROBENZENE
13U	UG/KG	ETHYL BENZENE
13U	UG/KG	STYRENE
13U	UG/KG	TOTAL XYLEMES
21	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by qcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1
1
0
1
5
5

Sample 10178 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS16

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN22

D Number: MN22

Printed by: John McConney

Collected By:

Beginning: 07/09/97 16:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

12U	UG/KG	CHLOROMETHANE
12U	UG/KG	BROMOMETHANE
12U	UG/KG	VINYL CHLORIDE
12U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
40U	UG/KG	ACETONE
12U	UG/KG	CARBON DISULFIDE
12U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
12U	UG/KG	1,1-DICHLOROETHANE
12U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
12U	UG/KG	CHLOROFORM
12U	UG/KG	1,2-DICHLOROETHANE
12U	UG/KG	METHYL ETHYL KETONE
12U	UG/KG	1,1,1-TRICHLOROETHANE
12U	UG/KG	CARBON TETRACHLORIDE
12U	UG/KG	BROMODICHLOROMETHANE
12U	UG/KG	1,2-DICHLOROPROPANE
12U	UG/KG	CIS-1,3-DICHLOROPROPENE
12U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
12U	UG/KG	DIBROMOCHLOROMETHANE
12U	UG/KG	1,1,2-TRICHLOROETHANE
12U	UG/KG	BENZENE
12U	UG/KG	TRANS-1,3-DICHLOROPROPENE
12U	UG/KG	BROMOFORM
12U	UG/KG	METHYL ISOBUTYL KETONE
12U	UG/KG	METHYL BUTYL KETONE
12U	UG/KG	TETRAICHLOROETHENE (TETRAICHLOROETHYLENE)
12U	UG/KG	1,1,2,2-TETRAICHLOROETHANE
12U	UG/KG	TOLUENE
12U	UG/KG	CHLOROBENZENE
12U	UG/KG	ETHYL BENZENE
12U	UG/KG	STYRENE
12U	UG/KG	TOTAL XYLEMES
20	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

110010154

Sample 10179 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS02

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN08

D Number: MN08

Printed by: John McConney

Collected By:

Beginning: 07/09/97 16:40

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
11U	UG/KG	CHLOROMETHANE
11U	UG/KG	BROMOMETHANE
11U	UG/KG	VINYL CHLORIDE
11U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
11U	UG/KG	ACETONE
11U	UG/KG	CARBON DISULFIDE
11U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
11U	UG/KG	1,1-DICHLOROETHANE
11U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
11U	UG/KG	CHLOROFORM
11U	UG/KG	1,2-DICHLOROETHANE
11U	UG/KG	METHYL ETHYL KETONE
11U	UG/KG	1,1,1-TRICHLOROETHANE
11U	UG/KG	CARBON TETRACHLORIDE
11U	UG/KG	BROMODICHLOROMETHANE
11U	UG/KG	1,2-DICHLOROPROPANE
11U	UG/KG	CIS-1,3-DICHLOROPROPENE
11U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
11U	UG/KG	DIBROMOCHLOROMETHANE
11U	UG/KG	1,1,2-TRICHLOROETHANE
11U	UG/KG	BENZENE
11U	UG/KG	TRANS-1,3-DICHLOROPROPENE
11U	UG/KG	BROMOFORM
11U	UG/KG	METHYL ISOBUTYL KETONE
11U	UG/KG	METHYL BUTYL KETONE
11U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11U	UG/KG	1,1,2,2-TETRACHLOROETHANE
11U	UG/KG	TOLUENE
11U	UG/KG	CHLOROBENZENE
11U	UG/KG	ETHYL BENZENE
11U	UG/KG	STYRENE
11U	UG/KG	TOTAL XYLENES
10	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

... constituents or metabolites of technical chlordane

Sample 10180 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS05

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN11

D Number: MN11

Printed by: John McConney

Collected By:

Beginning: 07/09/97 17:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS

ANALYTE

11U	UG/KG	CHLOROMETHANE
11U	UG/KG	BROMOMETHANE
11U	UG/KG	VINYL CHLORIDE
11U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
11U	UG/KG	ACETONE
11U	UG/KG	CARBON DISULFIDE
11U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
11U	UG/KG	1,1-DICHLOROETHANE
11U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
11U	UG/KG	CHLOROFORM
11U	UG/KG	1,2-DICHLOROETHANE
11U	UG/KG	METHYL ETHYL KETONE
11U	UG/KG	1,1,1-TRICHLOROETHANE
11U	UG/KG	CARBON TETRACHLORIDE
11U	UG/KG	BROMODICHLOROMETHANE
11U	UG/KG	1,2-DICLOROPROPANE
11U	UG/KG	CIS-1,3-DICLOROPROPENE
11U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
11U	UG/KG	DIBROMOCHLOROMETHANE
11U	UG/KG	1,1,2-TRICHLOROETHANE
11U	UG/KG	BENZENE
11U	UG/KG	TRANS-1,3-DICLOROPROPENE
11U	UG/KG	BROMOFORM
11U	UG/KG	METHYL ISOBUTYL KETONE
11U	UG/KG	METHYL BUTYL KETONE
11U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11U	UG/KG	1,1,2,2-TETRACHLOROETHANE
11U	UG/KG	TOLUENE
11U	UG/KG	CHLOROBENZENE
11U	UG/KG	ETHYL BENZENE
11U	UG/KG	STYRENE
11U	UG/KG	TOTAL XYLENES
9	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by qcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10181 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDTB01

Media: WATER

JACKSONVILLE, FL

Case Number: 25558

D Number: MNO6

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/08/97 09:25

Ending:

RESULTS	UNITS	ANALYTE
10UJ	UG/L	CHLOROMETHANE
10UJ	UG/L	BROMOMETHANE
10UJ	UG/L	VINYL CHLORIDE
10UJ	UG/L	CHLOROETHANE
10UJ	UG/L	METHYLENE CHLORIDE
10UJ	UG/L	ACETONE
10UJ	UG/L	CARBON DISULFIDE
10UJ	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
10UJ	UG/L	1,1-DICHLOROETHANE
10UJ	UG/L	1,2-DICHLOROETHENE (TOTAL)
10UJ	UG/L	CHLOROFORM
10UJ	UG/L	1,2-DICHLOROETHANE
10UJ	UG/L	METHYL ETHYL KETONE
10UJ	UG/L	1,1,1-TRICHLOROETHANE
10UJ	UG/L	CARBON TETRACHLORIDE
10UJ	UG/L	BROMODICHLOROMETHANE
10UJ	UG/L	1,2-DICHLOROPROPANE
10UJ	UG/L	CIS-1,3-DICHLOROPROPENE
10UJ	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)
10UJ	UG/L	DIBROMOCHLOROMETHANE
10UJ	UG/L	1,1,2-TRICHLOROETHANE
10UJ	UG/L	BENZENE
10UJ	UG/L	TRANS-1,3-DICHLOROPROPENE
10UJ	UG/L	BROMOFORM
10UJ	UG/L	METHYL ISOBUTYL KETONE
10UJ	UG/L	METHYL BUTYL KETONE
10UJ	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10UJ	UG/L	1,1,2,2-TETRACHLOROETHANE
10UJ	UG/L	TOLUENE
10UJ	UG/L	CHLOROBENZENE
10UJ	UG/L	ETHYL BENZENE
10UJ	UG/L	STYRENE
10UJ	UG/L	TOTAL XYLENES

HOLDING TIMES EXCEEDED(40 CFR 136, OCTOBER 26, 1984)

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

1 reported, 200 chloroform constituents, 2 constituents or metabolites of technical chlordane

0157

Sample 11018 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP
 Program: NSF
 Id/Station: BDFB01
 Media: WATER

JACKSONVILLE, FL
 Case Number: 25558
 MD Number: MN42
 D Number: MN42

Printed by: John McConney

Collected By:
 Beginning:
 Ending:

Inorg Contractor: SENTIN
 Org Contractor: COMPU

RESULTS UNITS ANALYTE

10U	UG/L	CHLOROMETHANE
10U	UG/L	BROMOMETHANE
10U	UG/L	VINYL CHLORIDE
10U	UG/L	CHLOROETHANE
10U	UG/L	METHYLENE CHLORIDE
10U	UG/L	ACETONE
10U	UG/L	CARBON DISULFIDE
10U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
10U	UG/L	1,1-DICHLOROETHANE
10U	UG/L	1,2-DICHLOROETHENE (TOTAL)
6J	UG/L	CHLOROFORM
10U	UG/L	1,2-DICHLOROETHANE
10U	UG/L	METHYL ETHYL KETONE
10U	UG/L	1,1,1-TRICHLOROETHANE
10U	UG/L	CARBON TETRACHLORIDE
10U	UG/L	BROMODICHLOROMETHANE
10U	UG/L	1,2-DICHLOROPROPANE
10U	UG/L	CIS-1,3-DICHLOROPROPENE
10U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)
10U	UG/L	DIBROMOCHLOROMETHANE
10U	UG/L	1,1,2-TRICHLOROETHANE
10U	UG/L	BENZENE
10U	UG/L	TRANS-1,3-DICHLOROPROPENE
10U	UG/L	BROMOFORM
10U	UG/L	METHYL ISOBUTYL KETONE
10U	UG/L	METHYL BUTYL KETONE
10U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10U	UG/L	1,1,2,2-TETRACHLOROETHANE
10U	UG/L	TOLUENE
10U	UG/L	CHLOROBENZENE
10U	UG/L	ETHYL BENZENE
10U	UG/L	STYRENE
10U	UG/L	TOTAL XYLEMES

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by qcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 11760 FY 1997 Project: 97-0292

VOLATILES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS14

MD Number: MN20

Media: SOIL

D Number: MN20

Printed by: John McConney

Collected By:

Beginning: 07/09/97 14:15

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
11U	UG/KG	CHLOROMETHANE
11U	UG/KG	BROMOMETHANE
11U	UG/KG	VINYL CHLORIDE
11U	UG/KG	CHLOROETHANE
20U	UG/KG	METHYLENE CHLORIDE
11U	UG/KG	ACETONE
11U	UG/KG	CARBON DISULFIDE
11U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
11U	UG/KG	1,1-DICHLOROETHANE
11U	UG/KG	1,2-DICHLOROETHENE (TOTAL)
11U	UG/KG	CHLOROFORM
11U	UG/KG	1,2-DICHLOROETHANE
11U	UG/KG	METHYL ETHYL KETONE
11U	UG/KG	1,1,1-TRICHLOROETHANE
11U	UG/KG	CARBON TETRACHLORIDE
11U	UG/KG	BROMODICHLOROMETHANE
11U	UG/KG	1,2-DICHLOROPROPANE
11U	UG/KG	CIS-1,3-DICHLOROPROPENE
11U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)
11U	UG/KG	DIBROMOCHLOROMETHANE
11U	UG/KG	1,1,2-TRICHLOROETHANE
11U	UG/KG	BENZENE
11U	UG/KG	TRANS-1,3-DICHLOROPROPENE
11U	UG/KG	BROMOFORM
11U	UG/KG	METHYL ISOBUTYL KETONE
11U	UG/KG	METHYL BUTYL KETONE
11U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11U	UG/KG	1,1,2,2-TETRACHLOROETHANE
11U	UG/KG	TOLUENE
11U	UG/KG	CHLOROBENZENE
11U	UG/KG	ETHYL BENZENE
11U	UG/KG	STYRENE
11U	UG/KG	TOTAL XYLENES
13	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-rc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100155

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY****Region 4**

**Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720**

MEMORANDUM

Date: 09/08/97

Subject: Results of PESTICIDES/PCB ORGANIC Sample Analysis

97-0292 BROWN'S DUMP
JACKSONVILLE, FL

From: Gary Bennett

To: PAULA MACLAREN

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

ATTACHMENT

ORGANIC DATA QUALIFIER REPORT
 Case Number 25558 Project Number 97-0292 SAS Number
 Site ID.Brown's Dump, Jacksonville, FL

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
<u>Volatiles</u>			
10162	2-butanone	J	erratic response factor
10181	all compounds	J	exceeded holding times
11018	chloroform	J	< quantitation limit
<u>Extractables</u>			
all samples	bis(2-chloroethyl)ether	J	warning low on PE sample
	2,4,6-trichlorophenol	J	warning low on PE sample
	4-bromophenyl-phenylether	J	warning low on PE sample
	hexachlorobenzene	J	warning low on PE sample
<u>except</u>			
10154-10156, 10167,10174, 11760	all compounds	J	exceeded extraction holding times
10157	phenanthrene	J	< quantitation limit
	anthracene	J	< quantitation limit
	carbazole	J	< quantitation limit
	pyrene	J	erratic response factor
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10159	anthracene	J	< quantitation limit
	carbazole	J	< quantitation limit
	pyrene	J	erratic response factor
	benzo(b/k)fluoranthene	J	isomers not separated
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	dibenzo(a,h)anthracene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10169	phenanthrene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
10170	phenanthrene	J	< quantitation limit
	anthracene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit

ORGANIC DATA QUALIFIER REPORT
Case Number 25558

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
10172	acenaphthylene	J	< quantitation limit
	acenaphthene	J	< quantitation limit
	anthracene	J	< quantitation limit
	carbazole	J	< qunatitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	dibenzo(a,h)anthracene	J	< quantitation limit
10173	phenanthrene	J	< quantitation limit
	fluroanthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10176	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10177	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10179	anthracene	J	< quantitation limit
	carbazole	J	< quantitation limit
	pyrene	J	erratic response factor
	benzo(b/k)fluoranthene	J	isomers not separated
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10180	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
<u>Pesticides</u>			
all samples	endosulfan II	R	missed on PE sample
10154	dieldrin	N	column differences
10155	dieldrin	J	< quantitation limit
10157	heptachlor	J	< quantitation limit
10159	4,4'-DDD	N	column differences
10163	endrin	J	warning high on PE sample
	4,4'-DDT	N	column differences

ORGANIC DATA QUALIFIER REPORT
Case Number 25558

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
10167	endosulfan I	J	< quantitation limit
	dieldrin	J	< quantitation limit
		N	column differences
10171	heptachlor	J	< quantitation limit
	dieldrin	J	< quantitation limit
	aroclor-1260	J	< quantitation limit
10172, 10173, 10177	aroclor-1260	C	GC/MS confirmed
10173	4,4'-DDE	C	GC/MS confirmed
	4,4'-DDD	C	GC/MS confirmed
	4,4'-DDT	C	GC/MS confirmed
10178	beta-BHC	J	< quantitation limit
		N	column differences
	heptachlor	J	< quantitation limit
	4,4'-DDD	J	< quantitation limit
	4,4'-DDT	N	column differences
	N	column differences	
10179	endrin	J	warning high on PE sample
		N	column differences
10180	endrin aldehyde	J	< quantitation limit

Sample 10154 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS10

MD Number: MN16

Media: SOIL

D Number: MN16

Printed by: John McConney

Collected By:

Beginning: 07/08/97 11:40

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
1.8U	UG/KG	ALPHA-BHC
1.8U	UG/KG	BETA-BHC
1.8U	UG/KG	DELTA-BHC
1.8U	UG/KG	GAMMA-BHC (LINDANE)
1.8U	UG/KG	HEPTACHLOR
1.8U	UG/KG	ALDRIN
1.8U	UG/KG	HEPTACHLOR EPOXIDE
1.8U	UG/KG	ENDOSULFAN I (ALPHA)
7.8N	UG/KG	DIELDRIN
3.5U	UG/KG	4,4'-DDE (P,P'-DDE)
3.5U	UG/KG	ENDRIN
3.5UR	UG/KG	ENDOSULFAN II (BETA)
3.5U	UG/KG	4,4'-DDD (P,P'-DDD)
3.5U	UG/KG	ENDOSULFAN SULFATE
3.5U	UG/KG	4,4'-DDT (P,P'-DDT)
18U	UG/KG	METHOXYCHLOR
3.5U	UG/KG	ENDRIN KETONE
3.5U	UG/KG	ENDRIN ALDEHYDE
1.8U	UG/KG	ALPHA-CHLORDANE /2
1.8U	UG/KG	GAMMA-CHLORDANE /2
180U	UG/KG	TOXAPHENE
35U	UG/KG	PCB-1016 (AROCLOL 1016)
70U	UG/KG	PCB-1221 (AROCLOL 1221)
35U	UG/KG	PCB-1232 (AROCLOL 1232)
35U	UG/KG	PCB-1242 (AROCLOL 1242)
35U	UG/KG	PCB-1248 (AROCLOL 1248)
35U	UG/KG	PCB-1254 (AROCLOL 1254)
350	UG/KG	PCB-1260 (AROCLOL 1260)
6	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100164

Sample 10155 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS06

MD Number: MN12

Media: SOIL

D Number: MN12

Printed by: John McConney

Collected By:

Beginning: 07/08/97 11:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
2.2U	UG/KG	ALPHA-BHC
2.2U	UG/KG	BETA-BHC
2.2U	UG/KG	DELTA-BHC
2.2U	UG/KG	GAMMA-BHC (LINDANE)
2.2U	UG/KG	HEPTACHLOR
2.2U	UG/KG	ALDRIN
2.2U	UG/KG	HEPTACHLOR EPOXIDE
2.2U	UG/KG	ENDOSULFAN I (ALPHA)
1.8J	UG/KG	DIELDRIN
4.2U	UG/KG	4,4'-DDE (P,P'-DDE)
4.2U	UG/KG	ENDRIN
4.2UR	UG/KG	ENDOSULFAN II (BETA)
4.2U	UG/KG	4,4'-DDD (P,P'-DDD)
4.2U	UG/KG	ENDOSULFAN SULFATE
4.2U	UG/KG	4,4'-DDT (P,P'-DDT)
22U	UG/KG	METHOXYCHLOR
4.2U	UG/KG	ENDRIN KETONE
4.2U	UG/KG	ENDRIN ALDEHYDE
2.2U	UG/KG	ALPHA-CHLORDANE /2
2.2U	UG/KG	GAMMA-CHLORDANE /2
220U	UG/KG	TOXAPHENE
42U	UG/KG	PCB-1016 (AROCLOL 1016)
86U	UG/KG	PCB-1221 (AROCLOL 1221)
42U	UG/KG	PCB-1232 (AROCLOL 1232)
42U	UG/KG	PCB-1242 (AROCLOL 1242)
42U	UG/KG	PCB-1248 (AROCLOL 1248)
42U	UG/KG	PCB-1254 (AROCLOL 1254)
84	UG/KG	PCB-1260 (AROCLOL 1260)
22	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1 when no value is reported. see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10156 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS09

MD Number: MN15

Media: SOIL

D Number: MN15

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/08/97 12:10

Ending:

RESULTS	UNITS	ANALYTE
1.9U	UG/KG	ALPHA-BHC
1.9U	UG/KG	BETA-BHC
1.9U	UG/KG	DELTA-BHC
1.9U	UG/KG	GAMMA-BHC (LINDANE)
1.9U	UG/KG	HEPTACHLOR
1.9U	UG/KG	ALDRIN
1.9U	UG/KG	HEPTACHLOR EPOXIDE
1.9U	UG/KG	ENDOSULFAN I (ALPHA)
3.7U	UG/KG	DIELDRIN
3.7U	UG/KG	4,4'-DDE (P,P'-DDE)
3.7U	UG/KG	ENDRIN
3.7UR	UG/KG	ENDOSULFAN II (BETA)
3.7U	UG/KG	4,4'-DDD (P,P'-DDD)
3.7U	UG/KG	ENDOSULFAN SULFATE
3.7U	UG/KG	4,4'-DDT (P,P'-DDT)
19U	UG/KG	METHOXYCHLOR
3.7U	UG/KG	ENDRIN KETONE
3.7U	UG/KG	ENDRIN ALDEHYDE
1.9U	UG/KG	ALPHA-CHLORDANE /2
1.9U	UG/KG	GAMMA-CHLORDANE /2
190U	UG/KG	TOXAPHENE
37U	UG/KG	PCB-1016 (AROCLOL 1016)
76U	UG/KG	PCB-1221 (AROCLOL 1221)
37U	UG/KG	PCB-1232 (AROCLOL 1232)
37U	UG/KG	PCB-1242 (AROCLOL 1242)
37U	UG/KG	PCB-1248 (AROCLOL 1248)
37U	UG/KG	PCB-1254 (AROCLOL 1254)
37U	UG/KG	PCB-1260 (AROCLOL 1260)
12	%	% MOISTURE

1100166

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by dcms: 1 when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10157 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS07

MD Number: MN13

Media: SOIL

D Number: MN13

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/08/97 12:30

Ending:

RESULTS	UNITS	ANALYTE
1.9U	UG/KG	ALPHA-BHC
1.9U	UG/KG	BETA-BHC
1.9U	UG/KG	DELTA-BHC
1.9U	UG/KG	GAMMA-BHC (LINDANE)
1.1J	UG/KG	HEPTACHLOR
1.9U	UG/KG	ALDRIN
1.9U	UG/KG	HEPTACHLOR EPOXIDE
1.9U	UG/KG	ENDOSULFAN I (ALPHA)
5.4	UG/KG	DIELDRIN
5.0U	UG/KG	4,4'-DDE (P,P'-DDE)
3.7U	UG/KG	ENDRIN
3.7UR	UG/KG	ENDOSULFAN II (BETA)
3.7U	UG/KG	4,4'-DDD (P,P'-DDD)
3.7U	UG/KG	ENDOSULFAN SULFATE
9.0U	UG/KG	4,4'-DDT (P,P'-DDT)
19U	UG/KG	METHOXYCHLOR
3.7U	UG/KG	ENDRIN KETONE
9.0U	UG/KG	ENDRIN ALDEHYDE
1.9U	UG/KG	ALPHA-CHLORDANE /2
1.9U	UG/KG	GAMMA-CHLORDANE /2
190U	UG/KG	TOXAPHENE
37U	UG/KG	PCB-1016 (AROCLOR 1016)
74U	UG/KG	PCB-1221 (AROCLOR 1221)
37U	UG/KG	PCB-1232 (AROCLOR 1232)
37U	UG/KG	PCB-1242 (AROCLOR 1242)
37U	UG/KG	PCB-1248 (AROCLOR 1248)
37U	UG/KG	PCB-1254 (AROCLOR 1254)
280	UG/KG	PCB-1260 (AROCLOR 1260)
10	%	% MOISTURE

1100167

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10158 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDMW01

MD Number: MN37

Media: GROUNDWA

D Number: MN37

Printed by: John McConney

Collected By:

Beginning: 07/08/97 12:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.050U	UG/L	ALPHA-BHC
0.050U	UG/L	BETA-BHC
0.050U	UG/L	DELTA-BHC
0.050U	UG/L	GAMMA-BHC (LINDANE)
0.050U	UG/L	HEPTACHLOR
0.050U	UG/L	ALDRIN
0.050U	UG/L	HEPTACHLOR EPOXIDE
0.050U	UG/L	ENDOSULFAN I (ALPHA)
0.10U	UG/L	DIELDRIN
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.10U	UG/L	ENDRIN
0.10UR	UG/L	ENDOSULFAN II (BETA)
0.10U	UG/L	4,4'-DDD (P,P'-DDD)
0.10U	UG/L	ENDOSULFAN SULFATE
0.10U	UG/L	4,4'-QDT (P,P'-DDT)
0.50U	UG/L	METHOXYCHLOR
0.10U	UG/L	ENDRIN KETONE
0.10U	UG/L	ENDRIN ALDEHYDE
0.050U	UG/L	ALPHA-CHLORDANE /2
0.050U	UG/L	GAMMA-CHLORDANE /2
5.0U	UG/L	TOXAPHENE
1.0U	UG/L	PCB-1016 (AROCLOL 1016)
2.0U	UG/L	PCB-1221 (AROCLOL 1221)
1.0U	UG/L	PCB-1232 (AROCLOL 1232)
1.0U	UG/L	PCB-1242 (AROCLOL 1242)
1.0U	UG/L	PCB-1248 (AROCLOL 1248)
1.0U	UG/L	PCB-1254 (AROCLOL 1254)
1.0U	UG/L	PCB-1260 (AROCLOL 1260)

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

0168

Sample 10159 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD04

MD Number: MN32

Media: SOIL

D Number: MN32

Printed by: John McConney

Collected By:

Beginning: 07/08/97 15:05

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
2.6U	UG/KG	ALPHA-BHC
2.6U	UG/KG	BETA-BHC
2.6U	UG/KG	DELTA-BHC
2.6U	UG/KG	GAMMA-BHC (LINDANE)
2.6U	UG/KG	HEPTACHLOR
2.6U	UG/KG	ALDRIN
2.6U	UG/KG	HEPTACHLOR EPOXIDE
2.6U	UG/KG	ENDOSULFAN I (ALPHA)
5.0U	UG/KG	DIELDRIN
5.0U	UG/KG	4,4'-DDE (P,P'-DDE)
0.96J	UG/KG	ENDRIN
5.0UR	UG/KG	ENDOSULFAN II (BETA)
6.7N	UG/KG	4,4'-DDD (P,P'-DDD)
5.0U	UG/KG	ENDOSULFAN SULFATE
20U	UG/KG	4,4'-DDT (P,P'-DDT)
26U	UG/KG	METHOXYCHLOR
5.0U	UG/KG	ENDRIN KETONE
5.0U	UG/KG	ENDRIN ALDEHYDE
2.6U	UG/KG	ALPHA-CHLORDANE /2
2.6U	UG/KG	GAMMA-CHLORDANE /2
260U	UG/KG	TOXAPHENE
50U	UG/KG	PCB-1016 (AROCLOL 1016)
100U	UG/KG	PCB-1221 (AROCLOL 1221)
50U	UG/KG	PCB-1232 (AROCLOL 1232)
50U	UG/KG	PCB-1242 (AROCLOL 1242)
50U	UG/KG	PCB-1248 (AROCLOL 1248)
50U	UG/KG	PCB-1254 (AROCLOL 1254)
50U	UG/KG	PCB-1260 (AROCLOL 1260)
34	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100169

Sample 10160 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSW04

Media: SURFACEWA

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN36

D Number: MN36

Printed by: John McConney

Collected By:

Beginning: 07/08/97 15:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.050U	UG/L	ALPHA-BHC
0.050U	UG/L	BETA-BHC
0.050U	UG/L	DELTA-BHC
0.050U	UG/L	GAMMA-BHC (LINDANE)
0.050U	UG/L	HEPTACHLOR
0.050U	UG/L	ALDRIN
0.050U	UG/L	HEPTACHLOR EPOXIDE
0.050U	UG/L	ENDOSULFAN I (ALPHA)
0.10U	UG/L	DIELDRIN
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.10U	UG/L	ENDRIN
0.10UR	UG/L	ENDOSULFAN II (BETA)
0.10U	UG/L	4,4'-DDD (P,P'-DDD)
0.10U	UG/L	ENDOSULFAN SULFATE
0.10U	UG/L	4,4'-DDT (P,P'-DDT)
0.50U	UG/L	METHOXYCHLOR
0.10U	UG/L	ENDRIN KETONE
0.10U	UG/L	ENDRIN ALDEHYDE
.050U	UG/L	ALPHA-CHLORDANE /2
0.050U	UG/L	GAMMA-CHLORDANE /2
5.0U	UG/L	TOXAPHENE
1.0U	UG/L	PCB-1016 (AROCLOR 1016)
2.0U	UG/L	PCB-1221 (AROCLOR 1221)
1.0U	UG/L	PCB-1232 (AROCLOR 1232)
1.0U	UG/L	PCB-1242 (AROCLOR 1242)
1.0U	UG/L	PCB-1248 (AROCLOR 1248)
1.0U	UG/L	PCB-1254 (AROCLOR 1254)
1.0U	UG/L	PCB-1260 (AROCLOR 1260)

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10161 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDMW05

MD Number: MN41

Media: GROUNDWA

D Number: MN41

Printed by: John McConney

Collected By:

Beginning: 07/08/97 15:05

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.050U	UG/L	ALPHA-BHC
0.050U	UG/L	BETA-BHC
0.050U	UG/L	DELTA-BHC
0.050U	UG/L	GAMMA-BHC (LINDANE)
0.050U	UG/L	HEPTACHLOR
0.050U	UG/L	ALDRIN
0.050U	UG/L	HEPTACHLOR EPOXIDE
0.050U	UG/L	ENDOSULFAN I (ALPHA)
0.10U	UG/L	DIELDRIN
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.10U	UG/L	ENDRIN
0.10UR	UG/L	ENDOSULFAN II (BETA)
0.10U	UG/L	4,4'-DDD (P,P'-DDD)
0.10U	UG/L	ENDOSULFAN SULFATE
.10U	UG/L	4,4'-DDT (P,P'-DDT)
0.50U	UG/L	METHOXYCHLOR
0.10U	UG/L	ENDRIN KETONE
0.10U	UG/L	ENDRIN ALDEHYDE
0.050U	UG/L	ALPHA-CHLORDANE /2
0.050U	UG/L	GAMMA-CHLORDANE /2
5.0U	UG/L	TOXAPHENE
1.0U	UG/L	PCB-1016 (AROCLOL 1016)
2.0U	UG/L	PCB-1221 (AROCLOL 1221)
1.0U	UG/L	PCB-1232 (AROCLOL 1232)
1.0U	UG/L	PCB-1242 (AROCLOL 1242)
1.0U	UG/L	PCB-1248 (AROCLOL 1248)
1.0U	UG/L	PCB-1254 (AROCLOL 1254)
1.0U	UG/L	PCB-1260 (AROCLOL 1260)

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10162 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSW03

Media: SURFACEWA

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN35

D Number: MN35

Printed by: John McConney

Collected By:

Beginning: 07/08/97 16:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.050U	UG/L	ALPHA-BHC
0.050U	UG/L	BETA-BHC
0.050U	UG/L	DELTA-BHC
.050U	UG/L	GAMMA-BHC (LINDANE)
.050U	UG/L	HEPTACHLOR
0.050U	UG/L	ALDRIN
0.050U	UG/L	HEPTACHLOR EPOXIDE
0.050U	UG/L	ENDOSULFAN I (ALPHA)
0.10U	UG/L	DIELDRIN
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.10U	UG/L	ENDRIN
0.10UR	UG/L	ENDOSULFAN II (BETA)
0.10U	UG/L	4,4'-DDD (P,P'-DDD)
0.10U	UG/L	ENDOSULFAN SULFATE
0.10U	UG/L	4,4'-DDT (P,P'-DDT)
0.50U	UG/L	METHOXYCHLOR
0.10U	UG/L	ENDRIN KETONE
0.10U	UG/L	ENDRIN ALDEHYDE
0.050U	UG/L	ALPHA-CHLORDANE /2
0.050U	UG/L	GAMMA-CHLORDANE /2
5.0U	UG/L	TOXAPHENE
1.0U	UG/L	PCB-1016 (AROCLOL 1016)
2.0U	UG/L	PCB-1221 (AROCLOL 1221)
1.0U	UG/L	PCB-1232 (AROCLOL 1232)
1.0U	UG/L	PCB-1242 (AROCLOL 1242)
1.0U	UG/L	PCB-1248 (AROCLOL 1248)
1.0U	UG/L	PCB-1254 (AROCLOL 1254)
1.0U	UG/L	PCB-1260 (AROCLOL 1260)

11001122

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10163 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD03

MD Number: MN31

Media: SOIL

D Number: MN31

Printed by: John McConney

Collected By:

Beginning: 07/08/97 16:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
2.3U	UG/KG	ALPHA-BHC
2.3U	UG/KG	BETA-BHC
2.3U	UG/KG	DELTA-BHC
10	UG/KG	GAMMA-BHC (LINDANE)
11	UG/KG	HEPTACHLOR
9.7	UG/KG	ALDRIN
2.3U	UG/KG	HEPTACHLOR EPOXIDE
2.3U	UG/KG	ENDOSULFAN I (ALPHA)
9.7	UG/KG	DIELDRIN
9.0U	UG/KG	4,4'-DDE (P,P'-DDE)
7.3J	UG/KG	ENDRIN
4.4UR	UG/KG	ENDOSULFAN II (BETA)
12	UG/KG	4,4'-DDD (P,P'-DDD)
4.4U	UG/KG	ENDOSULFAN SULFATE
11N	UG/KG	4,4'-DDT (P,P'-DDT)
23U	UG/KG	METHOXYCHLOR
4.4U	UG/KG	ENDRIN KETONE
4.4U	UG/KG	ENDRIN ALDEHYDE
3.0U	UG/KG	ALPHA-CHLORDANE /2
4.0U	UG/KG	GAMMA-CHLORDANE /2
230U	UG/KG	TOXAPHENE
44U	UG/KG	PCB-1016 (AROCLOL 1016)
90U	UG/KG	PCB-1221 (AROCLOL 1221)
44U	UG/KG	PCB-1232 (AROCLOL 1232)
44U	UG/KG	PCB-1242 (AROCLOL 1242)
44U	UG/KG	PCB-1248 (AROCLOL 1248)
44U	UG/KG	PCB-1254 (AROCLOL 1254)
44U	UG/KG	PCB-1260 (AROCLOL 1260)
26	%	% MOISTURE

10001175

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10164 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDMW06

MD Number: MN39

Media: GROUNDWA

D Number: MN39

Printed by: John McConney

Collected By:

Beginning: 07/08/97 17:15

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.050U	UG/L	ALPHA-BHC
0.050U	UG/L	BETA-BHC
0.050U	UG/L	DELTA-BHC
0.050U	UG/L	GAMMA-BHC (LINDANE)
0.050U	UG/L	HEPTACHLOR
0.050U	UG/L	ALDRIN
0.050U	UG/L	HEPTACHLOR EPOXIDE
0.050U	UG/L	ENDOSULFAN I (ALPHA)
0.10U	UG/L	DIELDRIN
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.10U	UG/L	ENDRIN
0.10UR	UG/L	ENDOSULFAN II (BETA)
0.10U	UG/L	4,4'-DDD (P,P'-DDD)
0.10U	UG/L	ENDOSULFAN SULFATE
0.10U	UG/L	4,4'-DDT (P,P'-DDT)
.50U	UG/L	METHOXYCHLOR
0.10U	UG/L	ENDRIN KETONE
0.10U	UG/L	ENDRIN ALDEHYDE
0.050U	UG/L	ALPHA-CHLORDANE /2
0.050U	UG/L	GAMMA-CHLORDANE /2
5.0U	UG/L	TOXAPHENE
1.0U	UG/L	PCB-1016 (AROCLOL 1016)
2.0U	UG/L	PCB-1221 (AROCLOL 1221)
1.0U	UG/L	PCB-1232 (AROCLOL 1232)
1.0U	UG/L	PCB-1242 (AROCLOL 1242)
1.0U	UG/L	PCB-1248 (AROCLOL 1248)
1.0U	UG/L	PCB-1254 (AROCLOL 1254)
1.0U	UG/L	PCB-1260 (AROCLOL 1260)

11001174

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by acms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10165 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSW01

MD Number: MN33

Media: SURFACEWA

D Number: MN33

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/09/97 09:25

Ending:

RESULTS	UNITS	ANALYTE
0.050U	UG/L	ALPHA-BHC
0.050U	UG/L	BETA-BHC
0.050U	UG/L	DELTA-BHC
0.050U	UG/L	GAMMA-BHC (LINDANE)
0.050U	UG/L	HEPTACHLOR
0.050U	UG/L	ALDRIN
0.050U	UG/L	HEPTACHLOR EPOXIDE
0.050U	UG/L	ENDOSULFAN I (ALPHA)
.10U	UG/L	DIELDRIN
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.10U	UG/L	ENDRIN
0.10UR	UG/L	ENDOSULFAN II (BETA)
0.10U	UG/L	4,4'-DDD (P,P'-DDD)
0.10U	UG/L	ENDOSULFAN SULFATE
0.10U	UG/L	4,4'-DDT (P,P'-DDT)
0.50U	UG/L	METHOXYCHLOR
.10U	UG/L	ENDRIN KETONE
0.10U	UG/L	ENDRIN ALDEHYDE
.050U	UG/L	ALPHA-CHLORDANE /2
0.050U	UG/L	GAMMA-CHLORDANE /2
5.0U	UG/L	TOXAPHENE
1.0U	UG/L	PCB-1016 (AROCLOL 1016)
2.0U	UG/L	PCB-1221 (AROCLOL 1221)
1.0U	UG/L	PCB-1232 (AROCLOL 1232)
1.0U	UG/L	PCB-1242 (AROCLOL 1242)
1.0U	UG/L	PCB-1248 (AROCLOL 1248)
1.0U	UG/L	PCB-1254 (AROCLOL 1254)
1.0U	UG/L	PCB-1260 (AROCLOL 1260)

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

G 101

Sample 10166 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSW02

MD Number: MN34

Media: SURFACEWA

D Number: MN34

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/09/97 09:00

Ending:

RESULTS	UNITS	ANALYTE
0.050U	UG/L	ALPHA-BHC
0.050U	UG/L	BETA-BHC
0.050U	UG/L	DELTA-BHC
0.050U	UG/L	GAMMA-BHC (LINDANE)
0.050U	UG/L	HEPTACHLOR
0.050U	UG/L	ALDRIN
0.050U	UG/L	HEPTACHLOR EPOXIDE
0.050U	UG/L	ENDOSULFAN I (ALPHA)
.10U	UG/L	DIELDRIN
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.10U	UG/L	ENDRIN
0.10UR	UG/L	ENDOSULFAN II (BETA)
0.10U	UG/L	4,4'-DDD (P,P'-DDD)
0.10U	UG/L	ENDOSULFAN SULFATE
0.10U	UG/L	4,4'-DDT (P,P'-DDT)
0.50U	UG/L	METHOXYCHLOR
0.10U	UG/L	ENDRIN KETONE
0.10U	UG/L	ENDRIN ALDEHYDE
0.050U	UG/L	ALPHA-CHLORDANE /2
0.050U	UG/L	GAMMA-CHLORDANE /2
5.0U	UG/L	TOXAPHENE
1.0U	UG/L	PCB-1016 (AROCLOL 1016)
2.0U	UG/L	PCB-1221 (AROCLOL 1221)
1.0U	UG/L	PCB-1232 (AROCLOL 1232)
1.0U	UG/L	PCB-1242 (AROCLOL 1242)
1.0U	UG/L	PCB-1248 (AROCLOL 1248)
1.0U	UG/L	PCB-1254 (AROCLOL 1254)
1.0U	UG/L	PCB-1260 (AROCLOL 1260)

11001

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10167 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD01

MD Number: MN29

Media: SOIL

D Number: MN29

Printed by: John McConney

Collected By:

Beginning: 07/09/97 09:30

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
2.1U	UG/KG	ALPHA-BHC
2.1U	UG/KG	BETA-BHC
2.1U	UG/KG	DELTA-BHC
2.1U	UG/KG	GAMMA-BHC (LINDANE)
2.1U	UG/KG	HEPTACHLOR
2.1U	UG/KG	ALDRIN
2.1U	UG/KG	HEPTACHLOR EPOXIDE
0.68J	UG/KG	ENDOSULFAN I (ALPHA)
0.45JN	UG/KG	DIELDRIN
4.1U	UG/KG	4,4'-DDE (P,P'-DDE)
4.1U	UG/KG	ENDRIN
4.1UR	UG/KG	ENDOSULFAN II (BETA)
4.1U	UG/KG	4,4'-DDD (P,P'-DDD)
4.1U	UG/KG	ENDOSULFAN SULFATE
4.1U	UG/KG	4,4'-DDT (P,P'-DDT)
21U	UG/KG	METHOXYCHLOR
4.1U	UG/KG	ENDRIN KETONE
4.1U	UG/KG	ENDRIN ALDEHYDE
2.1U	UG/KG	ALPHA-CHLORDANE /2
2.1U	UG/KG	GAMMA-CHLORDANE /2
210U	UG/KG	TOXAPHENE
41U	UG/KG	PCB-1016 (AROCLOL 1016)
84U	UG/KG	PCB-1221 (AROCLOL 1221)
41U	UG/KG	PCB-1232 (AROCLOL 1232)
41U	UG/KG	PCB-1242 (AROCLOL 1242)
41U	UG/KG	PCB-1248 (AROCLOL 1248)
41U	UG/KG	PCB-1254 (AROCLOL 1254)
41U	UG/KG	PCB-1260 (AROCLOL 1260)
20	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

L/L C/L C/L

Sample 10168 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD02

MD Number: MN30

Media: SOIL

D Number: MN30

Printed by: John McConney

Collected By:

Beginning: 07/09/97 09:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

2.2U	UG/KG	ALPHA-BHC
2.2U	UG/KG	BETA-BHC
2.2U	UG/KG	DELTA-BHC
2.2U	UG/KG	GAMMA-BHC (LINDANE)
2.2U	UG/KG	HEPTACHLOR
2.2U	UG/KG	ALDRIN
2.2U	UG/KG	HEPTACHLOR EPOXIDE
2.2U	UG/KG	ENDOSULFAN I (ALPHA)
4.2U	UG/KG	DIELDRIN
4.2U	UG/KG	4,4'-DDE (P,P'-DDE)
4.2U	UG/KG	ENDRIN
4.2UR	UG/KG	ENDOSULFAN II (BETA)
4.2U	UG/KG	4,4'-DDD (P,P'-DDD)
4.2U	UG/KG	ENDOSULFAN SULFATE
4.2U	UG/KG	4,4'-DDT (P,P'-DDT)
22U	UG/KG	METHOXYCHLOR
4.2U	UG/KG	ENDRIN KETONE
4.2U	UG/KG	ENDRIN ALDEHYDE
2.2U	UG/KG	ALPHA-CHLORDANE /2
2.2U	UG/KG	GAMMA-CHLORDANE /2
220U	UG/KG	TOXAPHENE
42U	UG/KG	PCB-1016 (AROCLOL 1016)
85U	UG/KG	PCB-1221 (AROCLOL 1221)
42U	UG/KG	PCB-1232 (AROCLOL 1232)
42U	UG/KG	PCB-1242 (AROCLOL 1242)
42U	UG/KG	PCB-1248 (AROCLOL 1248)
42U	UG/KG	PCB-1254 (AROCLOL 1254)
42U	UG/KG	PCB-1260 (AROCLOL 1260)
21	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10169 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP JACKSONVILLE, FL
 Program: NSF Case Number: 25558
 Id/Station: BDSS04 MD Number: MN10
 Media: SOIL D Number: MN10

Printed by: John McConney

Collected By:

Beginning: 07/09/97 10:45

Ending:

Inorg Contractor: SENTIN
 Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
9.4U	UG/KG	ALPHA-BHC
9.4U	UG/KG	BETA-BHC
9.4U	UG/KG	DELTA-BHC
9.4U	UG/KG	GAMMA-BHC (LINDANE)
9.4U	UG/KG	HEPTACHLOR
9.4U	UG/KG	ALDRIN
9.4U	UG/KG	HEPTACHLOR EPOXIDE
9.4U	UG/KG	ENDOSULFAN I (ALPHA)
18U	UG/KG	DIELDRIN
110	UG/KG	4,4'-DDE (P,P'-DDE)
18U	UG/KG	ENDRIN
18UR	UG/KG	ENDOSULFAN II (BETA)
24	UG/KG	4,4'-DDD (P,P'-DDD)
18U	UG/KG	ENDOSULFAN SULFATE
73	UG/KG	4,4'-DDT (P,P'-DDT)
94U	UG/KG	METHOXYCHLOR
18U	UG/KG	ENDRIN KETONE
18U	UG/KG	ENDRIN ALDEHYDE
40U	UG/KG	ALPHA-CHLORDANE /2
9.4U	UG/KG	GAMMA-CHLORDANE /2
940U	UG/KG	TOXAPHENE
180U	UG/KG	PCB-1016 (AROCLOL 1016)
370U	UG/KG	PCB-1221 (AROCLOL 1221)
180U	UG/KG	PCB-1232 (AROCLOL 1232)
180U	UG/KG	PCB-1242 (AROCLOL 1242)
180U	UG/KG	PCB-1248 (AROCLOL 1248)
180U	UG/KG	PCB-1254 (AROCLOL 1254)
180U	UG/KG	PCB-1260 (AROCLOL 1260)
10	%	% MOISTURE

1100179

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10170 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS08

MD Number: MN14

Media: SOIL

D Number: MN14

Printed by: John McConney

Collected By:

Beginning: 07/09/97 11:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

1.8U	UG/KG	ALPHA-BHC
1.8U	UG/KG	BETA-BHC
1.8U	UG/KG	DELTA-BHC
1.8U	UG/KG	GAMMA-BHC (LINDANE)
1.8U	UG/KG	HEPTACHLOR
1.8U	UG/KG	ALDRIN
1.8U	UG/KG	HEPTACHLOR EPOXIDE
1.8U	UG/KG	ENDOSULFAN I (ALPHA)
3.5U	UG/KG	DIELDRIN
3.5U	UG/KG	4,4'-DDE (P,P'-DDE)
3.5U	UG/KG	ENDRIN
3.5UR	UG/KG	ENDOSULFAN II (BETA)
3.5U	UG/KG	4,4'-DDD (P,P'-DDD)
3.5U	UG/KG	ENDOSULFAN SULFATE
5.0U	UG/KG	4,4'-DDT (P,P-DDT)
18U	UG/KG	METHOXYCHLOR
3.5U	UG/KG	ENDRIN KETONE
6.0U	UG/KG	ENDRIN ALDEHYDE
1.8U	UG/KG	ALPHA-CHLORDANE /2
1.8U	UG/KG	GAMMA-CHLORDANE /2
180U	UG/KG	TOXAPHENE
35U	UG/KG	PCB-1016 (AROCLOL 1016)
71U	UG/KG	PCB-1221 (AROCLOL 1221)
35U	UG/KG	PCB-1232 (AROCLOL 1232)
35U	UG/KG	PCB-1242 (AROCLOL 1242)
35U	UG/KG	PCB-1248 (AROCLOL 1248)
35U	UG/KG	PCB-1254 (AROCLOL 1254)
120	UG/KG	PCB-1260 (AROCLOL 1260)
6	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10171 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS12

MD Number: MN18

Media: SOIL

D Number: MN18

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/09/97 12:00

Ending:

RESULTS	UNITS	ANALYTE
2.0U	UG/KG	ALPHA-BHC
2.0U	UG/KG	BETA-BHC
2.0U	UG/KG	DELTA-BHC
2.0U	UG/KG	GAMMA-BHC (LINDANE)
1.6J	UG/KG	HEPTACHLOR
2.0U	UG/KG	ALDRIN
2.0U	UG/KG	HEPTACHLOR EPOXIDE
2.0U	UG/KG	ENDOSULFAN I (ALPHA)
2.2J	UG/KG	DIELDRIN
3.8U	UG/KG	4,4'-DDE (P,P'-DDE)
3.8U	UG/KG	ENDRIN
3.8UR	UG/KG	ENDOSULFAN II (BETA)
3.8U	UG/KG	4,4'-DDD (P,P'-DDD)
3.8U	UG/KG	ENDOSULFAN SULFATE
4.0U	UG/KG	4,4'-DDT (P,P'-DDT)
20U	UG/KG	METHOXYCHLOR
3.8U	UG/KG	ENDRIN KETONE
3.8U	UG/KG	ENDRIN ALDEHYDE
2.0U	UG/KG	ALPHA-CHLORDANE /2
2.0U	UG/KG	GAMMA-CHLORDANE /2
200U	UG/KG	TOXAPHENE
38U	UG/KG	PCB-1016 (AROCLOL 1016)
78U	UG/KG	PCB-1221 (AROCLOL 1221)
38U	UG/KG	PCB-1232 (AROCLOL 1232)
38U	UG/KG	PCB-1242 (AROCLOL 1242)
38U	UG/KG	PCB-1248 (AROCLOL 1248)
38U	UG/KG	PCB-1254 (AROCLOL 1254)
33J	UG/KG	PCB-1260 (AROCLOL 1260)
14	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by qcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10172 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP JACKSONVILLE, FL
 Program: NSF Case Number: 25558
 Id/Station: BDSS15 MD Number: MN21
 Media: SOIL D Number: MN21

Printed by: John McConney

Collected By:

Beginning: 07/09/97 12:25

Ending:

Inorg Contractor: SENTIN
 Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
2.3U	UG/KG	ALPHA-BHC
2.3U	UG/KG	BETA-BHC
2.3U	UG/KG	DELTA-BHC
2.3U	UG/KG	GAMMA-BHC (LINDANE)
2.3U	UG/KG	HEPTACHLOR
2.3U	UG/KG	ALDRIN
2.3U	UG/KG	HEPTACHLOR EPOXIDE
2.3U	UG/KG	ENDOSULFAN I (ALPHA)
59	UG/KG	DIELDRIN
4.4U	UG/KG	4,4'-DDE (P,P'-DDE)
9.0U	UG/KG	ENDRIN
4.4UR	UG/KG	ENDOSULFAN II (BETA)
4.4U	UG/KG	4,4'-DDD (P,P'-DDD)
4.4U	UG/KG	ENDOSULFAN SULFATE
4.4U	UG/KG	4,4'-DDT (P,P'-DDT)
23U	UG/KG	METHOXYCHLOR
4.4U	UG/KG	ENDRIN KETONE
4.4U	UG/KG	ENDRIN ALDEHYDE
2.3U	UG/KG	ALPHA-CHLORDANE /2
4.0U	UG/KG	GAMMA-CHLORDANE /2
230U	UG/KG	TOXAPHENE
44U	UG/KG	PCB-1016 (AROCLOL 1016)
89U	UG/KG	PCB-1221 (AROCLOL 1221)
44U	UG/KG	PCB-1232 (AROCLOL 1232)
44U	UG/KG	PCB-1242 (AROCLOL 1242)
44U	UG/KG	PCB-1248 (AROCLOL 1248)
44U	UG/KG	PCB-1254 (AROCLOL 1254)
1400C	UG/KG	PCB-1260 (AROCLOL 1260)
25	%	% MOISTURE

 1
 2
 3
 4
 5
 6
 7
 8
 9
 0
 C
 G

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10173 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS11

MD Number: MN17

Media: SOIL

D Number: MN17

Printed by: John McConney

Collected By:

Beginning: 07/09/97 11:45

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

2.2U	UG/KG	ALPHA-BHC
2.2U	UG/KG	BETA-BHC
2.2U	UG/KG	DELTA-BHC
2.2U	UG/KG	GAMMA-BHC (LINDANE)
2.2U	UG/KG	HEPTACHLOR
2.2U	UG/KG	ALDRIN
2.2U	UG/KG	HEPTACHLOR EPOXIDE
2.2U	UG/KG	ENDOSULFAN I (ALPHA)
20U	UG/KG	DIELDRIN
270C	UG/KG	4,4'-DDE (P,P'-DDE)
9.0U	UG/KG	ENDRIN
4.4UR	UG/KG	ENDOSULFAN II (BETA)
41C	UG/KG	4,4'-DDD (P,P'-DDD)
4.4U	UG/KG	ENDOSULFAN SULFATE
99C	UG/KG	4,4'-DDT (P,P'-DDT)
22U	UG/KG	METHOXYCHLOR
4.4U	UG/KG	ENDRIN KETONE
4.4U	UG/KG	ENDRIN ALDEHYDE
13	UG/KG	ALPHA-CHLORDANE /2
14	UG/KG	GAMMA-CHLORDANE /2
220U	UG/KG	TOXAPHENE
44U	UG/KG	PCB-1016 (AROCLOL 1016)
89U	UG/KG	PCB-1221 (AROCLOL 1221)
44U	UG/KG	PCB-1232 (AROCLOL 1232)
44U	UG/KG	PCB-1242 (AROCLOL 1242)
44U	UG/KG	PCB-1248 (AROCLOL 1248)
44U	UG/KG	PCB-1254 (AROCLOL 1254)
500C	UG/KG	PCB-1260 (AROCLOL 1260)
25	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10174 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS01

MD Number: MN07

Media: SOIL

D Number: MN07

Printed by: John McConney

Collected By:

Beginning: 07/09/97 11:35

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
2.0U	UG/KG	ALPHA-BHC
2.0U	UG/KG	BETA-BHC
2.0U	UG/KG	DELTA-BHC
2.0U	UG/KG	GAMMA-BHC (LINDANE)
2.0U	UG/KG	HEPTACHLOR
2.0U	UG/KG	ALDRIN
2.0U	UG/KG	HEPTACHLOR EPOXIDE
2.0U	UG/KG	ENDOSULFAN I (ALPHA)
4.0U	UG/KG	DIELDRIN
4.0U	UG/KG	4,4'-DDE (P,P'-DDE)
4.0U	UG/KG	ENDRIN
4.0UR	UG/KG	ENDOSULFAN II (BETA)
4.0U	UG/KG	4,4'-DDD (P,P'-DDD)
4.0U	UG/KG	ENDOSULFAN SULFATE
4.0U	UG/KG	4,4'-DDT (P,P'-DDT)
20U	UG/KG	METHOXYCHLOR
4.0U	UG/KG	ENDRIN KETONE
4.0U	UG/KG	ENDRIN ALDEHYDE
2.0U	UG/KG	ALPHA-CHLORDANE /2
2.0U	UG/KG	GAMMA-CHLORDANE /2
200U	UG/KG	TOXAPHENE
40U	UG/KG	PCB-1016 (AROCLO 1016)
81U	UG/KG	PCB-1221 (AROCLO 1221)
40U	UG/KG	PCB-1232 (AROCLO 1232)
40U	UG/KG	PCB-1242 (AROCLO 1242)
40U	UG/KG	PCB-1248 (AROCLO 1248)
58	UG/KG	PCB-1254 (AROCLO 1254)
40U	UG/KG	PCB-1260 (AROCLO 1260)
18	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10175 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDMW04

MD Number: MN40

Media: GROUNDWA

D Number: MN40

Printed by: John McConney

Collected By:

Beginning: 07/09/97 14:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.050U	UG/L	ALPHA-BHC
0.050U	UG/L	BETA-BHC
0.050U	UG/L	DELTA-BHC
0.050U	UG/L	GAMMA-BHC (LINDANE)
0.050U	UG/L	HEPTACHLOR
0.050U	UG/L	ALDRIN
0.050U	UG/L	HEPTACHLOR EPOXIDE
0.050U	UG/L	ENDOSULFAN I (ALPHA)
0.10U	UG/L	DIELDRIN
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.10U	UG/L	ENDRIN
0.10UR	UG/L	ENDOSULFAN II (BETA)
0.10U	UG/L	4,4'-DDD (P,P'-DDD)
0.10U	UG/L	ENDOSULFAN SULFATE
0.10U	UG/L	4,4'-DDT (P,P'-DDT)
0.50U	UG/L	METHOXYCHLOR
0.10U	UG/L	ENDRIN KETONE
0.10U	UG/L	ENDRIN ALDEHYDE
0.050U	UG/L	ALPHA-CHLORDANE /2
0.050U	UG/L	GAMMA-CHLORDANE /2
5.0U	UG/L	TOXAPENE
1.0U	UG/L	PCB-1016 (AROCLO 1016)
2.0U	UG/L	PCB-1221 (AROCLO 1221)
1.0U	UG/L	PCB-1232 (AROCLO 1232)
1.0U	UG/L	PCB-1242 (AROCLO 1242)
1.0U	UG/L	PCB-1248 (AROCLO 1248)
1.0U	UG/L	PCB-1254 (AROCLO 1254)
1.0U	UG/L	PCB-1260 (AROCLO 1260)

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 101/o FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP
 Program: NSF
 Id/Station: BDSS03
 Media: SOIL

JACKSONVILLE, FL
 Case Number: 25558
 MD Number: MN09
 D Number: MN09

Inorg Contractor: SENTIN
 Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/09/97 15:50
 Ending:

RESULTS	UNITS	ANALYTE
4.2U	UG/KG	ALPHA-BHC
4.2U	UG/KG	BETA-BHC
4.2U	UG/KG	DELTA-BHC
4.2U	UG/KG	GAMMA-BHC (LINDANE)
4.2U	UG/KG	HEPTACHLOR
4.2U	UG/KG	ALDRIN
4.2U	UG/KG	HEPTACHLOR EPOXIDE
4.2U	UG/KG	ENDOSULFAN I (ALPHA)
8.2U	UG/KG	DIELDRIN
20	UG/KG	4,4'-DDE (P,P'-DDE)
8.2U	UG/KG	ENDRIN
8.2UR	UG/KG	ENDOSULFAN II (BETA)
8.2U	UG/KG	4,4'-DDD (P,P'-DDD)
8.2U	UG/KG	ENDOSULFAN SULFATE
30U	UG/KG	4,4'-DDT (P,P'-DDT)
29U	UG/KG	METHOXYCHLOR
8.2U	UG/KG	ENDRIN KETONE
8.2U	UG/KG	ENDRIN ALDEHYDE
50U	UG/KG	ALPHA-CHLORDANE /2
50U	UG/KG	GAMMA-CHLORDANE /2
420U	UG/KG	TOXAPHENE
82U	UG/KG	PCB-1016 (AROCLOL 1016)
170U	UG/KG	PCB-1221 (AROCLOL 1221)
82U	UG/KG	PCB-1232 (AROCLOL 1232)
82U	UG/KG	PCB-1242 (AROCLOL 1242)
82U	UG/KG	PCB-1248 (AROCLOL 1248)
82U	UG/KG	PCB-1254 (AROCLOL 1254)
82U	UG/KG	PCB-1260 (AROCLOL 1260)
20	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

100186

Sample 10177 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS13

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN19

D Number: MN19

Printed by: John McConney

Collected By:

Beginning: 07/09/97 15:15

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
2.2U	UG/KG	ALPHA-BHC
2.2U	UG/KG	BETA-BHC
2.2U	UG/KG	DELTA-BHC
2.2U	UG/KG	GAMMA-BHC (LINDANE)
2.2U	UG/KG	HEPTACHLOR
2.2U	UG/KG	ALDRIN
2.2U	UG/KG	HEPTACHLOR EPOXIDE
2.2U	UG/KG	ENDOSULFAN I (ALPHA)
4.2U	UG/KG	DIELDRIN
4.2U	UG/KG	4,4'-DDE (P,P'-DDE)
4.2U	UG/KG	ENDRIN
4.2UR	UG/KG	ENDOSULFAN II (BETA)
4.2U	UG/KG	4,4'-DDD (P,P'-DDD)
4.2U	UG/KG	ENDOSULFAN SULFATE
4.2U	UG/KG	4,4'-DDT (P,P'-DDT)
22U	UG/KG	METHOXYCHLOR
4.2U	UG/KG	ENDRIN KETONE
4.2U	UG/KG	ENDRIN ALDEHYDE
6.0U	UG/KG	ALPHA-CHLORDANE /2
8.4	UG/KG	GAMMA-CHLORDANE /2
220U	UG/KG	TOXAPHENE
42U	UG/KG	PCB-1016 (AROCLOL 1016)
85U	UG/KG	PCB-1221 (AROCLOL 1221)
42U	UG/KG	PCB-1232 (AROCLOL 1232)
42U	UG/KG	PCB-1242 (AROCLOL 1242)
42U	UG/KG	PCB-1248 (AROCLOL 1248)
42U	UG/KG	PCB-1254 (AROCLOL 1254)
800C	UG/KG	PCB-1260 (AROCLOL 1260)
21	%	% MOISTURE

110010167

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10178 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS16

MD Number: MN22

Media: SOIL

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/09/97 16:10

Ending:

RESULTS	UNITS	ANALYTE
2.1U	UG/KG	ALPHA-BHC
0.81JN	UG/KG	BETA-BHC
2.1U	UG/KG	DELTA-BHC
2.1U	UG/KG	GAMMA-BHC (LINDANE)
0.44J	UG/KG	HEPTACHLOR
2.1U	UG/KG	ALDRIN
2.1U	UG/KG	HEPTACHLOR EPOXIDE
2.1U	UG/KG	ENDOSULFAN I (ALPHA)
4.4	UG/KG	DIELDRIN
5.0U	UG/KG	4,4'-DDE (P,P'-DDE)
6.0U	UG/KG	ENDRIN
4.1UR	UG/KG	ENDOSULFAN II (BETA)
2.7JN	UG/KG	4,4'-DDD (P,P'-DDD)
4.1U	UG/KG	ENDOSULFAN SULFATE
7.1N	UG/KG	4,4'-DDT (P,P'-DDT)
21U	UG/KG	METHOXYCHLOR
4.1U	UG/KG	ENDRIN KETONE
4.1U	UG/KG	ENDRIN ALDEHYDE
6.0U	UG/KG	ALPHA-CHLORDANE /2
5.0U	UG/KG	GAMMA-CHLORDANE /2
210U	UG/KG	TOXAPHENE
41U	UG/KG	PCB-1016 (AROCLOL 1016)
83U	UG/KG	PCB-1221 (AROCLOL 1221)
41U	UG/KG	PCB-1232 (AROCLOL 1232)
41U	UG/KG	PCB-1242 (AROCLOL 1242)
41U	UG/KG	PCB-1248 (AROCLOL 1248)
41U	UG/KG	PCB-1254 (AROCLOL 1254)
41U	UG/KG	PCB-1260 (AROCLOL 1260)
20	%	% MOISTURE

1
1
0
0
0
0
0
0
0

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by acms: 1 when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10179 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP .

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS02

MD Number: MN08

Media: SOIL

D Number: MN08

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/09/97 16:40

Ending:

RESULTS	UNITS	ANALYTE
1.9U	UG/KG	ALPHA-BHC
1.9U	UG/KG	BETA-BHC
1.9U	UG/KG	DELTA-BHC
1.9U	UG/KG	GAMMA-BHC (LINDANE)
1.9U	UG/KG	HEPTACHLOR
4.0U	UG/KG	ALDRIN
1.9U	UG/KG	HEPTACHLOR EPOXIDE
1.9U	UG/KG	ENDOSULFAN I (ALPHA)
3.7U	UG/KG	DIELDRIN
9.4	UG/KG	4,4'-DDE (P,P'-DDE)
7.9NJ	UG/KG	ENDRIN
3.7UR	UG/KG	ENDOSULFAN II (BETA)
3.7U	UG/KG	4,4'-DDD (P,P'-DDD)
3.7U	UG/KG	ENDOSULFAN SULFATE
20U	UG/KG	4,4'-DDT (P,P'-DDT)
19U	UG/KG	METHOXYCHLOR
8.0U	UG/KG	ENDRIN KETONE
5.0U	UG/KG	ENDRIN ALDEHYDE
1.9U	UG/KG	ALPHA-CHLORDANE /2
1.9U	UG/KG	GAMMA-CHLORDANE /2
190U	UG/KG	TOXAPHENE
37U	UG/KG	PCB-1016 (AROCLOL 1016)
74U	UG/KG	PCB-1221 (AROCLOL 1221)
37U	UG/KG	PCB-1232 (AROCLOL 1232)
37U	UG/KG	PCB-1242 (AROCLOL 1242)
37U	UG/KG	PCB-1248 (AROCLOL 1248)
37U	UG/KG	PCB-1254 (AROCLOL 1254)
37U	UG/KG	PCB-1260 (AROCLOL 1260)
10	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10180 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS05

MD Number: MN11

Media: SOIL

D Number: MN11

Printed by: John McConney

Collected By:

Beginning: 07/09/97 17:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

1.9U	UG/KG	ALPHA-BHC
1.9U	UG/KG	BETA-BHC
1.9U	UG/KG	DELTA-BHC
1.9U	UG/KG	GAMMA-BHC (LINDANE)
1.9U	UG/KG	HEPTACHLOR
1.9U	UG/KG	ALDRIN
1.9U	UG/KG	HEPTACHLOR EPOXIDE
1.9U	UG/KG	ENDOSULFAN I (ALPHA)
8.9	UG/KG	DIELDRIN
3.6U	UG/KG	4,4'-DDE (P,P'-DDE)
3.6U	UG/KG	ENDRIN
3.6UR	UG/KG	ENDOSULFAN II (BETA)
3.6U	UG/KG	4,4'-DDD (P,P'-DDD)
3.6U	UG/KG	ENDOSULFAN SULFATE
3.6U	UG/KG	4,4'-DDT (P,P'-DDT)
19U	UG/KG	METHOXYCHLOR
3.6U	UG/KG	ENDRIN KETONE
0.87J	UG/KG	ENDRIN ALDEHYDE
1.9U	UG/KG	ALPHA-CHLORDANE /2
1.9U	UG/KG	GAMMA-CHLORDANE /2
190U	UG/KG	TOXAPHENE
36U	UG/KG	PCB-1016 (AROCLOL 1016)
73U	UG/KG	PCB-1221 (AROCLOL 1221)
36U	UG/KG	PCB-1232 (AROCLOL 1232)
36U	UG/KG	PCB-1242 (AROCLOL 1242)
36U	UG/KG	PCB-1248 (AROCLOL 1248)
36U	UG/KG	PCB-1254 (AROCLOL 1254)
36U	UG/KG	PCB-1260 (AROCLOL 1260)
9	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present, resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

0190

Sample 11018 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDFB01

MD Number: MN42

Media: WATER

D Number: MN42

Printed by: John McConney

Collected By:

Beginning:

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
0.050U	UG/L	ALPHA-BHC
0.050U	UG/L	BETA-BHC
0.050U	UG/L	DELTA-BHC
0.050U	UG/L	GAMMA-BHC (LINDANE)
0.050U	UG/L	HEPTACHLOR
0.050U	UG/L	ALDRIN
0.050U	UG/L	HEPTACHLOR EPOXIDE
0.050U	UG/L	ENDOSULFAN I (ALPHA)
0.10U	UG/L	DIELDRIN
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.10U	UG/L	ENDRIN
0.10UR	UG/L	ENDOSULFAN II (BETA)
0.10U	UG/L	4,4'-DDD (P,P'-DDD)
0.10U	UG/L	ENDOSULFAN SULFATE
0.10U	UG/L	4,4'-DDT (P,P'-DDT)
0.50U	UG/L	METHOXYCHLOR
0.10U	UG/L	ENDRIN KETONE
0.10U	UG/L	ENDRIN ALDEHYDE
0.050U	UG/L	ALPHA-CHLORDANE /2
0.050U	UG/L	GAMMA-CHLORDANE /2
5.0U	UG/L	TOXAPHENE
1.0U	UG/L	PCB-1016 (AROCLOL 1016)
2.0U	UG/L	PCB-1221 (AROCLOL 1221)
1.0U	UG/L	PCB-1232 (AROCLOL 1232)
1.0U	UG/L	PCB-1242 (AROCLOL 1242)
1.0U	UG/L	PCB-1248 (AROCLOL 1248)
1.0U	UG/L	PCB-1254 (AROCLOL 1254)
1.0U	UG/L	PCB-1260 (AROCLOL 1260)

1100191

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc Indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 11760 FY 1997 Project: 97-0292

PESTICIDES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS14

MD Number: MN20

Media: SOIL

D Number: MN20

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/09/97 14:15

Ending:

RESULTS	UNITS	ANALYTE
1.9U	UG/KG	ALPHA-BHC
1.9U	UG/KG	BETA-BHC
1.9U	UG/KG	DELTA-BHC
1.9U	UG/KG	GAMMA-BHC (LINDANE)
1.9U	UG/KG	HEPTACHLOR
1.9U	UG/KG	ALDRIN
1.9U	UG/KG	HEPTACHLOR EPOXIDE
1.9U	UG/KG	ENDOSULFAN I (ALPHA)
3.8U	UG/KG	DIELDRIN
3.8U	UG/KG	4,4'-DDE (P,P'-DDE)
3.8U	UG/KG	ENDRIN
3.8UR	UG/KG	ENDOSULFAN II (BETA)
3.8U	UG/KG	4,4'-DDD (P,P'-DDD)
3.8U	UG/KG	ENDOSULFAN SULFATE
3.8U	UG/KG	4,4'-DDT (P,P'-DDT)
19U	UG/KG	METHOXYCHLOR
3.8U	UG/KG	ENDRIN KETONE
3.8U	UG/KG	ENDRIN ALDEHYDE
1.9U	UG/KG	ALPHA-CHLORDANE /2
1.9U	UG/KG	GAMMA-CHLORDANE /2
190U	UG/KG	TOXAPHENE
38U	UG/KG	PCB-1016 (AROCLOR 1016)
77U	UG/KG	PCB-1221 (AROCLOR 1221)
38U	UG/KG	PCB-1232 (AROCLOR 1232)
38U	UG/KG	PCB-1242 (AROCLOR 1242)
38U	UG/KG	PCB-1248 (AROCLOR 1248)
38U	UG/KG	PCB-1254 (AROCLOR 1254)
38U	UG/KG	PCB-1260 (AROCLOR 1260)
13	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

100162



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4

Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720

MEMORANDUM

Date: 09/08/97

Subject: Results of EXTRACTABLES ORGANIC Sample Analysis

97-0292 BROWN'S DUMP
JACKSONVILLE, FL

From: Gary Bennett

To: PAULA MACLAREN

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

ATTACHMENT

ORGANIC DATA QUALIFIER REPORT

Case Number 25558 Project Number 97-0292 SAS Number
Site ID.Brown's Dump, Jacksonville, FL

ORGANIC DATA QUALIFIER REPORT
Case Number 25558

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
10172	acenaphthylene acenaphthene anthracene carbazole benzo(b/k)fluoranthene indeno(1,2,3-cd)pyrene dibenzo(a,h)anthracene	J J J J J J J	< quantitation limit < quantitation limit < quantitation limit < quantitation limit < quantitation limit < quantitation limit < quantitation limit
10173	phenanthrene fluroanthene pyrene benzo(a)anthracene chrysene benzo(b/k)fluoranthene benzo(a)pyrene indeno(1,2,3-cd)pyrene benzo(g,h,i)perylene	J J J J J J J J	< quantitation limit < quantitation limit
10176	fluoranthene pyrene benzo(b/k)fluoranthene benzo(a)pyrene benzo(g,h,i)perylene	J J J J J	< quantitation limit < quantitation limit < quantitation limit < quantitation limit < quantitation limit
10177	fluoranthene pyrene chrysene benzo(b/k)fluoranthene benzo(a)pyrene benzo(g,h,i)perylene	J J J J J J	< quantitation limit < quantitation limit < quantitation limit < quantitation limit < quantitation limit < quantitation limit
10179	anthracene carbazole pyrene benzo(b/k)fluoranthene indeno(1,2,3-cd)pyrene benzo(g,h,i)perylene	J J J J J J	< quantitation limit < quantitation limit erratic response factor isomers not separated < quantitation limit < quantitation limit
10180	fluoranthene pyrene benzo(b/k)fluoranthene	J J J	< quantitation limit < quantitation limit < quantitation limit

Pesticides

all samples	endosulfan II	R	missed on PE sample
10154	dieldrin	N	column differences
10155	dieldrin	J	< quantitation limit
10157	heptachlor	J	< quantitation limit
10159	4,4'-DDD	N	column differences
10163	endrin 4,4'-DDT	J N	warning high on PE sample column differences

ORGANIC DATA QUALIFIER REPORT
Case Number 25558

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
10167	endosulfan I	J	< quantitation limit
	dieldrin	J	< quantitation limit
		N	column differences
10171	heptachlor	J	< quantitation limit
	dieldrin	J	< quantitation limit
	aroclor-1260	J	< quantitation limit
10172, 10173, 10177	aroclor-1260	C	GC/MS confirmed
10173	4,4'-DDE	C	GC/MS confirmed
	4,4'-DDD	C	GC/MS confirmed
	4,4'-DDT	C	GC/MS confirmed
10178	beta-BHC	J	< quantitation limit
		N	column differences
	heptachlor	J	< quantitation limit
	4,4'-DDD	J	< quantitation limit
4,4'-DDT	N	column differences	
	N	column differences	
10179	endrin	J	warning high on PE sample
		N	column differences
10180	endrin aldehyde	J	< quantitation limit

Sample 10154 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS10

MD Number: MN16

Media: SOIL

D Number: MN16

Printed by: John McConney

Collected By:

Beginning: 07/08/97 11:40

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
1000UJ	UG/KG	PHENOL
1000UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
1000UJ	UG/KG	2-CHLOROPHENOL
1000UJ	UG/KG	1,3-DICHLOROBENZENE
1000UJ	UG/KG	1,4-DICHLOROBENZENE
1000UJ	UG/KG	1,2-DICHLOROBENZENE
1000UJ	UG/KG	2-METHYLPHENOL
1000UJ	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
1000UJ	UG/KG	(3-AND/OR 4-)METHYLPHENOL
1000UJ	UG/KG	N-NITROSODI-N-PROPYLAMINE
1000UJ	UG/KG	HEXACHLOROETHANE
1000UJ	UG/KG	NITROBENZENE
1000UJ	UG/KG	ISOPHORONE
1000UJ	UG/KG	2-NITROPHENOL
1000UJ	UG/KG	2,4-DIMETHYLPHENOL
1000UJ	UG/KG	BIS(2-CHLOROETHOXY)METHANE
1000UJ	UG/KG	2,4-DICHLOROPHENOL
1000UJ	UG/KG	1,2,4-TRICHLOROBENZENE
120J	UG/KG	NAPHTHALENE
1000UJ	UG/KG	4-CHLOROANILINE
1000UJ	UG/KG	HEXACHLOROBUTADIENE
1000UJ	UG/KG	4-CHLORO-3-METHYLPHENOL
1000UJ	UG/KG	2-METHYLNAPHTHALENE
1000UJ	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
1000UJ	UG/KG	2,4,6-TRICHLOROPHENOL
2600UJ	UG/KG	2,4,5-TRICHLOROPHENOL
1000UJ	UG/KG	2-CHLORONAPHTHALENE
2600UJ	UG/KG	2-NITROANILINE
1000UJ	UG/KG	DIMETHYL PHTHALATE
1000UJ	UG/KG	ACENAPHTHYLENE
1000UJ	UG/KG	2,6-DINITROTOLUENE
2600UJ	UG/KG	3-NITROANILINE
500J	UG/KG	ACENAPHTHENE
2600UJ	UG/KG	2,4-DINITROPHENOL
2600UJ	UG/KG	4-NITROPHENOL
320J	UG/KG	DIBENZOFURAN
1000UJ	UG/KG	2,4-DINITROTOLUENE
1000UJ	UG/KG	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
1000UJ	UG/KG	4-CHLOROPHENYL PHENYL ETHER
470J	UG/KG	FLUORENE
2600UJ	UG/KG	4-NITROANILINE
2600UJ	UG/KG	2-METHYL-4,6-DINITROPHENOL
1000UJ	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
1000UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
1000UJ	UG/KG	HEXACHLOROBENZENE (HCB)
2600UJ	UG/KG	PENTACHLOROPHENOL
5600J	UG/KG	PHENANTHRENE
800J	UG/KG	ANTHRACENE
810J	UG/KG	CARBAZOLE
1000UJ	UG/KG	DI-N-BUTYLPHthalate
7200J	UG/KG	FLUORANTHENE
4100J	UG/KG	PYRENE
1000UJ	UG/KG	BENZYL BUTYL PHTHALATE
1000UJ	UG/KG	3,3'-DICHLOROBENZIDINE
2100J	UG/KG	BENZO(A)ANTHRACENE
2300J	UG/KG	CHRYSENE
1200J	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
1000UJ	UG/KG	DI-N-OCTYLPHthalate
3500J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
1900J	UG/KG	BENZO-A-PYRENE
1100J	UG/KG	INDENO (1,2,3-CD) PYRENE
1000UJ	UG/KG	DIBENZO(A,H)ANTHRACENE
1000J	UG/KG	BENZO(GHI)PERYLENE
6	%	% MOISTURE

EXCESSIVE HOLDING TIME

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10154 FY 1997 Project: 97-0292

MISCELLANEOUS COMPOUNDS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS10

MD Number: MN16

Media: SOIL

D Number: MN16

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/08/97 11:40

Ending:

RESULTS	UNITS	ANALYTE
200JN	UG/KG	FLUORENONE
300JN	UG/KG	METHYLPHENANTHRENE
400JN	UG/KG	CYCLOPENTAPHENANTHRENE
600JN	UG/KG	ANTHRACENEDIONE
200JN	UG/KG	BENZONAPHTHO thiOPHENE
300JN	UG/KG	BENZOFUORANTHENE (NOT B OR K)
1000JN	UG/KG	BENZOPYRENE (NOT A)

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100198

Sample 10155 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS06

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN12

D Number: MN12

Inorg Contractor: SENTIN

Org Contractor: COMPU

Printed by: John McConney

Collected By:

Beginning: 07/08/97 11:10

Ending:

RESULTS	UNITS	ANALYTE
420UJ	UG/KG	PHENOL
420UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
420UJ	UG/KG	2-CHLOROPHENOL
420UJ	UG/KG	1,3-DICHLOROBENZENE
420UJ	UG/KG	1,4-DICHLOROBENZENE
420UJ	UG/KG	1,2-DICHLOROBENZENE
420UJ	UG/KG	2-METHYLPHENOL
420UJ	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
420UJ	UG/KG	(3-AND/OR 4-)METHYLPHENOL
420UJ	UG/KG	N-NITROSODI-N-PROPYLAMINE
420UJ	UG/KG	HEXACHLOROETHANE
420UJ	UG/KG	NITROBENZENE
420UJ	UG/KG	ISOPHORONE
420UJ	UG/KG	2-NITROPHENOL
420UJ	UG/KG	2,4-DIMETHYLPHENOL
420UJ	UG/KG	BIS(2-CHLOROETHOXY)METHANE
420UJ	UG/KG	2,4-DICHLOROPHENOL
420UJ	UG/KG	1,2,4-TRICHLOROBENZENE
420UJ	UG/KG	NAPHTHALENE
420UJ	UG/KG	4-CHLOROANILINE
420UJ	UG/KG	HEXACHLOROBUTADIENE
420UJ	UG/KG	4-CHLORO-3-METHYLPHENOL
420UJ	UG/KG	2-METHYLNAPHTHALENE
420UJ	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
420UJ	UG/KG	2,4,6-TRICHLOROPHENOL
1000UJ	UG/KG	2,4,5-TRICHLOROPHENOL
420UJ	UG/KG	2-CHLORONAPHTHALENE
1000UJ	UG/KG	2-NITROANILINE
420UJ	UG/KG	DIMETHYL PHTHALATE
420UJ	UG/KG	ACENAPHTHYLENE
420UJ	UG/KG	2,6-DINITROTOLUENE
1000UJ	UG/KG	3-NITROANILINE
420UJ	UG/KG	ACENAPHTHENE
1000UJ	UG/KG	2,4-DINITROPHENOL
1000UJ	UG/KG	4-NITROPHENOL
420UJ	UG/KG	DIBENZOFURAN
420UJ	UG/KG	2,4-DINITROTOLUENE
420UJ	UG/KG	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
420UJ	UG/KG	4-CHLOROPHENYL PHENYL ETHER
420UJ	UG/KG	FLUORENE
1000UJ	UG/KG	4-NITROANILINE
1000UJ	UG/KG	2-METHYL-4,6-DINITROPHENOL
420UJ	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
420UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
420UJ	UG/KG	HEXACHLOROBENZENE (HCB)
1000UJ	UG/KG	PENTACHLOROPHENOL
420UJ	UG/KG	PHENANTHRENE
420UJ	UG/KG	ANTHRACENE
420UJ	UG/KG	CARBAZOLE
420UJ	UG/KG	DI-N-BUTYLPHthalate
420UJ	UG/KG	FLUORANTHENE
420UJ	UG/KG	PYRENE
420UJ	UG/KG	BENZYL BUTYL PHTHALATE
420UJ	UG/KG	3,3-DICHLOROBENZIDINE
420UJ	UG/KG	BENZO(A)ANTHRACENE
420UJ	UG/KG	CHRYSENE
470J	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
420UJ	UG/KG	DI-N-OCTYLPHthalate
420UJ	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
420UJ	UG/KG	BENZO-A-PYRENE
420UJ	UG/KG	INDENO (1,2,3-CD) PYRENE
420UJ	UG/KG	DIBENZO(A,H)ANTHRACENE
420UJ	UG/KG	BENZO(GHI)PERYLENE
22	%	% MOISTURE

EXCESSIVE HOLDING TIME

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1 10 0200



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4

Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720

MEMORANDUM

Date: 09/08/97

Subject: Results of EXTRACTABLES ORGANIC Sample Analysis
97-0292 BROWN'S DUMP
JACKSONVILLE, FL

From: *Gary Bennett*

To: PAULA MACLAREN

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

ATTACHMENT

ORGANIC DATA QUALIFIER REPORT
Case Number 25558 Project Number 97-0292 SAS Number
Site ID.Brown's Dump, Jacksonville, FL

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
<u>Volatiles</u>			
10162	2-butanone	J	erratic response factor
10181	all compounds	J	exceeded holding times
11018	chloroform	J	< quantitation limit
<u>Extractables</u>			
all samples	bis(2-chloroethyl)ether	J	warning low on PE sample
	2,4,6-trichlorophenol	J	warning low on PE sample
	4-bromophenyl-phenylether	J	warning low on PE sample
	hexachlorobenzene	J	warning low on PE sample
except			
10154-10156, 10167, 10174, 11760	all compounds	J	exceeded extraction holding times
10157	phenanthrene	J	< quantitation limit
	anthracene	J	< quantitation limit
	carbazole	J	< quantitation limit
	pyrene	J	erratic response factor
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10159	anthracene	J	< quantitation limit
	carbazole	J	< quantitation limit
	pyrene	J	erratic response factor
	benzo(b/k)fluoranthene	J	isomers not separated
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	dibenzo(a,h)anthracene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10169	phenanthrene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
10170	phenanthrene	J	< quantitation limit
	anthracene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit

ORGANIC DATA QUALIFIER REPORT
Case Number 25558

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
10172	acenaphthylene	J	< quantitation limit
	acenaphthene	J	< quantitation limit
	anthracene	J	< quantitation limit
	carbazole	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	dibenzo(a,h)anthracene	J	< quantitation limit
10173	phenanthrene	J	< quantitation limit
	fluroanthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(a)anthracene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10176	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10177	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	chrysene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
	benzo(a)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10179	anthracene	J	< quantitation limit
	carbazole	J	< quantitation limit
	pyrene	J	erratic response factor
	benzo(b/k)fluoranthene	J	isomers not separated
	indeno(1,2,3-cd)pyrene	J	< quantitation limit
	benzo(g,h,i)perylene	J	< quantitation limit
10180	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit
	benzo(b/k)fluoranthene	J	< quantitation limit
<u>Pesticides</u>			
all samples	endosulfan II	R	missed on PE sample
10154	dieldrin	N	column differences
10155	dieldrin	J	< quantitation limit
10157	heptachlor	J	< quantitation limit
10159	4,4'-DDD	N	column differences
10163	endrin	J	warning high on PE sample
	4,4'-DDT	N	column differences

ORGANIC DATA QUALIFIER REPORT
Case Number 25558

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
10167	endosulfan I	J	< quantitation limit
	dieldrin	J	< quantitation limit
		N	column differences
10171	heptachlor	J	< quantitation limit
	dieldrin	J	< quantitation limit
	aroclor-1260	J	< quantitation limit
10172, 10173, 10177	aroclor-1260	C	GC/MS confirmed
10173	4,4'-DDE	C	GC/MS confirmed
	4,4'-DDD	C	GC/MS confirmed
	4,4'-DDT	C	GC/MS confirmed
10178	beta-BHC	J	< quantitation limit
		N	column differences
	heptachlor	J	< quantitation limit
	4,4'-DDD	J	< quantitation limit
	4,4'-DDT	N	column differences
	N	column differences	
10179	endrin	J	warning high on PE sample
		N	column differences
10180	endrin aldehyde	J	< quantitation limit

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 11018 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Collected By:

Facility: BROWN'S DUMP

Beginning:

Program: NSF

Ending:

Id/Station: BDFB01

JACKSONVILLE, FL

Inorg Contractor: SENTIN

Media: WATER

Case Number: 25558

MD Number: MN42

D Number: MN42

Org Contractor: COMPU

RESULTS UNITS ANALYTE

10U	UG/L	PHENOL	10U	UG/L	4-CHLOROPHENYL PHENYL ETHER
10UJ	UG/L	BIS(2-CHLOROETHYL) ETHER	10U	UG/L	FLUORENE
10U	UG/L	2-CHLOROPHENOL	25U	UG/L	4-NITROANILINE
10U	UG/L	1,3-DICHLOROBENZENE	25U	UG/L	2-METHYL-4,6-DINITROPHENOL
10U	UG/L	1,4-DICHLOROBENZENE	10U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	UG/L	1,2-DICHLOROBENZENE	10UJ	UG/L	4-BROMOPHENYL PHENYL ETHER
10U	UG/L	2-METHYLPHENOL	10UJ	UG/L	HEXACHLOROBENZENE (HCB)
10U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	25U	UG/L	PENTACHLOROPHENOL
10U	UG/L	(3-AND/OR 4)-METHYLPHENOL	10U	UG/L	PHENANTHRENE
10U	UG/L	N-NITROSODI-N-PROPYLAMINE	10U	UG/L	ANTHRACENE
10U	UG/L	HEXACHLOROETHANE	10U	UG/L	CARBAZOLE
10U	UG/L	NITROBENZENE	10U	UG/L	DI-N-BUTYLPHthalate
10U	UG/L	ISOPHORONE	10U	UG/L	FLUORANTHENE
10U	UG/L	2-NITROPHENOL	10U	UG/L	PYRENE
10U	UG/L	2,4-DIMETHYLPHENOL	10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE	10U	UG/L	3,3'-DICHLOROBENZIDINE
10U	UG/L	2,4-DICHLOROPHENOL	10U	UG/L	BENZO(A)ANTHRACENE
10U	UG/L	1,2,4-TRICHLOROBENZENE	10U	UG/L	CHRYSENE
10U	UG/L	NAPHTHALENE	10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	4-CHLOROANILINE	10U	UG/L	DI-N-OCTYLPHthalate
10U	UG/L	HEXACHLOROBUTADIENE	10U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
10U	UG/L	4-CHLORO-3-METHYLPHENOL	10U	UG/L	BENZO-A-PYRENE
10U	UG/L	2-METHYLNAPHTHALENE	10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	UG/L	DIBENZO(A,H)ANTHRACENE
10UJ	UG/L	2,4,6-TRICHLOROPHENOL	10U	UG/L	BENZO(GHI)PERYLENE
25U	UG/L	2,4,5-TRICHLOROPHENOL			
10U	UG/L	2-CHLORONAPHTHALENE			
25U	UG/L	2-NITROANILINE			
10U	UG/L	DIMETHYL PHTHALATE			
10U	UG/L	ACENAPHTHYLENE			
10U	UG/L	2,6-DINITROTOLUENE			
25U	UG/L	3-NITROANILINE			
10U	UG/L	ACENAPHTHENE			
25U	UG/L	2,4-DINITROPHENOL			
25U	UG/L	4-NITROPHENOL			
10U	UG/L	DIBENZOFURAN			
10U	UG/L	2,4-DINITROTOLUENE			
10U	UG/L	DIETHYL PHTHALATE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1
1
0
2
0
4

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10154 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS10

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN16

D Number: MN16

Printed by: John McConney

Collected By:

Beginning: 07/08/97 11:40

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

1000UJ	UG/KG	PHENOL
1000UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
1000UJ	UG/KG	2-CHLOROPHENOL
1000UJ	UG/KG	1,3-DICHLOROBENZENE
1000UJ	UG/KG	1,4-DICHLOROBENZENE
1000UJ	UG/KG	1,2-DICHLOROBENZENE
1000UJ	UG/KG	2-METHYLPHENOL
1000UJ	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
1000UJ	UG/KG	(3-AND/OR 4-)METHYLPHENOL
1000UJ	UG/KG	N-NITROSODI-N-PROPYLAMINE
1000UJ	UG/KG	HEXACHLOROETHANE
1000UJ	UG/KG	NITROBENZENE
1000UJ	UG/KG	ISOPHORONE
1000UJ	UG/KG	2-NITROPHENOL
1000UJ	UG/KG	2,4-DIMETHYLPHENOL
1000UJ	UG/KG	BIS(2-CHLOROETHOXY)METHANE
1000UJ	UG/KG	2,4-DICHLOROPHENOL
1000UJ	UG/KG	1,2,4-TRICHLOROBENZENE
120J	UG/KG	NAPHTHALENE
1000UJ	UG/KG	4-CHLOROANILINE
1000UJ	UG/KG	HEXACHLOROBUTADIENE
1000UJ	UG/KG	4-CHLORO-3-METHYLPHENOL
1000UJ	UG/KG	2-METHYLNAPHTHALENE
1000UJ	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
1000UJ	UG/KG	2,4,6-TRICHLOROPHENOL
2600UJ	UG/KG	2,4,5-TRICHLOROPHENOL
1000UJ	UG/KG	2-CHLORONAPHTHALENE
2600JJ	UG/KG	2-NITROANILINE
1000UJ	UG/KG	DIMETHYL PHTHALATE
1000UJ	UG/KG	ACENAPHTHYLENE
1000UJ	UG/KG	2,6-DINITROTOLUENE
2600JJ	UG/KG	3-NITROANILINE
500J	UG/KG	ACENAPHTHENE
2600JJ	UG/KG	2,4-DINITROPHENOL
2600JJ	UG/KG	4-NITROPHENOL
320J	UG/KG	DIBENZOFURAN
1000UJ	UG/KG	2,4-DINITROTOLUENE
1000UJ	UG/KG	DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

1000UJ	UG/KG	4-CHLOROPHENYL PHENYL ETHER
470J	UG/KG	FLUORENE
2600UJ	UG/KG	4-NITROANILINE
2600UJ	UG/KG	2-METHYL-4,6-DINITROPHENOL
1000UJ	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
1000UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
1000UJ	UG/KG	HEXACHLOROBENZENE (HCB)
2600UJ	UG/KG	PENTACHLOROPHENOL
5600J	UG/KG	PHENANTHRENE
800J	UG/KG	ANTHRACENE
810J	UG/KG	CARBAZOLE
1000UJ	UG/KG	DI-N-BUTYLPHthalate
7200J	UG/KG	FLUORANTHENE
4100J	UG/KG	PYRENE
1000UJ	UG/KG	BENZYL BUTYL PHTHALATE
1000UJ	UG/KG	3,3'-DICHLOROBENZIDINE
2100J	UG/KG	BENZO(A)ANTHRACENE
2300J	UG/KG	CHRYSENE
1200J	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
1000UJ	UG/KG	DI-N-OCTYLPHthalate
3500J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
1900J	UG/KG	BENZO-A-PYRENE
1100J	UG/KG	INDENO (1,2,3-CD) PYRENE
1000UJ	UG/KG	DIBENZO(A,H)ANTHRACENE
1000J	UG/KG	BENZO(GH)PERYLENE
6	%	% MOISTURE

EXCESSIVE HOLDING TIME

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1
0
2
0
5

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10154 FY 1997 Project: 97-0292

MISCELLANEOUS COMPOUNDS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS10

MD Number: MN16

Media: SOIL

D Number: MN16

Printed by: John McConney

Collected By:

Beginning: 07/08/97 11:40

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

200JN	UG/KG	FLUORENONE
300JN	UG/KG	METHYLPHENANTHRENE
400JN	UG/KG	CYCLOPENTAPHENANTHRENE
600JN	UG/KG	ANTHRACENEDIONE
200JN	UG/KG	BENZONAPHTHO thiOPHENE
300JN	UG/KG	BENZOFLUORANTHENE (NOT B OR K)
1000JN	UG/KG	BENZOPYRENE (NOT A)

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1
10
0206

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10155 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS06

MD Number: MN12

Media: SOIL

D Number: MN12

Collected By:

Beginning: 07/08/97 11:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

420UJ	UG/KG	PHENOL
420UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
420UJ	UG/KG	2-CHLOROPHENOL
420UJ	UG/KG	1,3-DICHLOROBENZENE
420UJ	UG/KG	1,4-DICHLOROBENZENE
420UJ	UG/KG	1,2-DICHLOROBENZENE
420UJ	UG/KG	2-METHYLPHENOL
420UJ	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
420UJ	UG/KG	(3-AND/OR 4)-METHYLPHENOL
420UJ	UG/KG	N-NITROSODI-N-PROPYLAMINE
420UJ	UG/KG	HEXACHLOROETHANE
420UJ	UG/KG	NITROBENZENE
420UJ	UG/KG	ISOPHORONE
420UJ	UG/KG	2-NITROPHENOL
420UJ	UG/KG	2,4-DIMETHYLPHENOL
420UJ	UG/KG	BIS(2-CHLOROETHOXY)METHANE
420UJ	UG/KG	2,4-DICHLOROPHENOL
420UJ	UG/KG	1,2,4-TRICHLOROBENZENE
420UJ	UG/KG	NAPHTHALENE
420UJ	UG/KG	4-CHLOROANILINE
420UJ	UG/KG	HEXAChLOROBUTADIENE
420UJ	UG/KG	4-CHLORO-3-METHYLPHENOL
420UJ	UG/KG	2-METHYLNAPHTHALENE
420UJ	UG/KG	HEXAChLOROCYCLOPENTADIENE (HCCP)
420UJ	UG/KG	2,4,6-TRICHLOROPHENOL
1000UJ	UG/KG	2,4,5-TRICHLOROPHENOL
420UJ	UG/KG	2-CHLORONAPHTHALENE
1000UJ	UG/KG	2-NITROANILINE
420UJ	UG/KG	DIMETHYL PHTHALATE
420UJ	UG/KG	ACENAPHTHYLENE
420UJ	UG/KG	2,6-DINITROTOLUENE
1000UJ	UG/KG	3-NITROANILINE
420UJ	UG/KG	ACENAPHTHENE
1000UJ	UG/KG	2,4-DINITROPHENOL
1000UJ	UG/KG	4-NITROPHENOL
420UJ	UG/KG	DIBENZOFURAN
420UJ	UG/KG	2,4-DINITROTOLUENE
420UJ	UG/KG	DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

420UJ	UG/KG	4-CHLOROPHENYL PHENYL ETHER
420UJ	UG/KG	FLUORENE
1000UJ	UG/KG	4-NITROANILINE
1000UJ	UG/KG	2-METHYL-4,6-DINITROPHENOL
420UJ	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
420UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
420UJ	UG/KG	HEXAChLOROBENZENE (HCB)
1000UJ	UG/KG	PENTACHLOROPHENOL
420UJ	UG/KG	PHENANTHRENE
420UJ	UG/KG	ANTHRACENE
420UJ	UG/KG	CARBAZOLE
420UJ	UG/KG	DI-N-BUTYLPHthalate
420UJ	UG/KG	FLUORANTHENE
420UJ	UG/KG	PYRENE
420UJ	UG/KG	BENZYL BUTYL PHTHALATE
420UJ	UG/KG	3,3'-DICHLOROBENZIDINE
420UJ	UG/KG	BENZO(A)ANTHRACENE
420UJ	UG/KG	CHRYSENE
470J	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
420UJ	UG/KG	DI-N-OCTYLPHthalate
420UJ	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
420UJ	UG/KG	BENZO-A-PYRENE
420UJ	UG/KG	INDENO (1,2,3-CD) PYRENE
420UJ	UG/KG	DIBENZO(A,H)ANTHRACENE
420UJ	UG/KG	BENZO(GHI)PERYLENE
22	%	% MOISTURE

EXCESSIVE HOLDING TIME

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10155 FY 1997 Project: 97-0292

Printed by: John McConney

MISCELLANEOUS COMPOUNDS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS06

MD Number: MN12

Media: SOIL

D Number: MN12

Collected By:

Beginning: 07/08/97 11:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

4000J	UG/KG	2 UNIDENTIFIED COMPOUNDS
400J	UG/KG	ALKANES

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc Indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10156 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS09

MD Number: MN15

Media: SOIL

D Number: MN15

Printed by: John McConney

Collected By:

Beginning: 07/08/97 12:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
40J	UG/KG	PHENOL
370UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
370UJ	UG/KG	2-CHLOROPHENOL
370UJ	UG/KG	1,3-DICHLOROBENZENE
370UJ	UG/KG	1,4-DICHLOROBENZENE
370UJ	UG/KG	1,2-DICHLOROBENZENE
370UJ	UG/KG	2-METHYLPHENOL
370UJ	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
370UJ	UG/KG	(3-AND/OR 4)-METHYLPHENOL
370UJ	UG/KG	N-NITROSODI-N-PROPYLAMINE
370UJ	UG/KG	HEXACHLOROETHANE
370UJ	UG/KG	NITROBENZENE
370UJ	UG/KG	ISOPHORONE
370UJ	UG/KG	2-NITROPHENOL
370UJ	UG/KG	2,4-DIMETHYLPHENOL
370UJ	UG/KG	BIS(2-CHLOROETHOXY)METHANE
370UJ	UG/KG	2,4-DICHLOROPHENOL
370UJ	UG/KG	1,2,4-TRICHLOROBENZENE
370UJ	UG/KG	NAPHTHALENE
370UJ	UG/KG	4-CHLOROANILINE
370UJ	UG/KG	HEXACHLOROBUTADIENE
370UJ	UG/KG	4-CHLORO-3-METHYLPHENOL
370UJ	UG/KG	2-METHYLNAPHTHALENE
370UJ	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
370UJ	UG/KG	2,4,6-TRICHLOROPHENOL
930UJ	UG/KG	2,4,5-TRICHLOROPHENOL
370UJ	UG/KG	2-CHLORONAPHTHALENE
930UJ	UG/KG	2-NITROANILINE
370UJ	UG/KG	DIMETHYL PHTHALATE
370UJ	UG/KG	ACENAPHTHYLENE
370UJ	UG/KG	2,6-DINITROTOLUENE
930UJ	UG/KG	3-NITROANILINE
370UJ	UG/KG	ACENAPHTHENE
930UJ	UG/KG	2,4-DINITROPHENOL
930UJ	UG/KG	4-NITROPHENOL
370UJ	UG/KG	DIBENZOFURAN
370UJ	UG/KG	2,4-DINITROTOLUENE
370UJ	UG/KG	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
370UJ	UG/KG	4-CHLOROPHENYL PHENYL ETHER
370UJ	UG/KG	FLUORENE
930UJ	UG/KG	4-NITROANILINE
930UJ	UG/KG	2-METHYL-4,6-DINITROPHENOL
370UJ	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
370UJ	UG/KG	HEXACHLOROBENZENE (HCB)
930UJ	UG/KG	PENTACHLOROPHENOL
160J	UG/KG	PHENANTHRENE
370UJ	UG/KG	ANTHRACENE
370UJ	UG/KG	CARBAZOLE
370UJ	UG/KG	DI-N-BUTYLPHthalate
260J	UG/KG	FLUORANTHENE
170J	UG/KG	PYRENE
370UJ	UG/KG	BENZYL BUTYL PHTHALATE
370UJ	UG/KG	3,3'-DICHLOROBENZIDINE
120J	UG/KG	BENZO(A)ANTHRACENE
97J	UG/KG	CHRYSENE
370UJ	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
370UJ	UG/KG	DI-N-OCTYLPHthalate
170J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
83J	UG/KG	BENZO-A-PYRENE
370UJ	UG/KG	INDENO (1,2,3-CD) PYRENE
370UJ	UG/KG	DIBENZO(A,H)ANTHRACENE
370UJ	UG/KG	BENZO(GHI)PERYLENE
12	%	% MOISTURE

EXCESSIVE HOLDING TIME

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10156 FY 1997 Project: 97-0292

Printed by: John McConney

MISCELLANEOUS COMPOUNDS

Collected By:

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Beginning: 07/08/97 12:10

Program: NSF

Case Number: 25558

Ending:

Id/Station: BDSS09

MD Number: MN15

Inorg Contractor: SENTIN

Media: SOIL

D Number: MN15

Org Contractor: COMPU

RESULTS UNITS ANALYTE

2000J UG/KG 3 UNIDENTIFIED COMPOUNDS

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10157 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS07

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN13

D Number: MN13

Printed by: John McConney

Collected By:

Beginning: 07/08/97 12:30

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
360U	UG/KG	PHENOL	360U	UG/KG	4-CHLOROPHENYL PHENYL ETHER
360UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER	360U	UG/KG	FLUORENE
360U	UG/KG	2-CHLOROPHENOL	920U	UG/KG	4-NITROANILINE
360U	UG/KG	1,3-DICHLOROBENZENE	920U	UG/KG	2-METHYL-4,6-DINITROPHENOL
360U	UG/KG	1,4-DICHLOROBENZENE	360U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
360U	UG/KG	1,2-DICHLOROBENZENE	360UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
360U	UG/KG	2-METHYLPHENOL	360UJ	UG/KG	HEXACHLOROBENZENE (HCB)
360U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	920U	UG/KG	PENTACHLOROPHENOL
360U	UG/KG	(3-AND/OR 4)-METHYLPHENOL	320J	UG/KG	PHENANTHRENE
360U	UG/KG	N-NITROSODI-N-PROPYLAMINE	38J	UG/KG	ANTHRACENE
360U	UG/KG	HEXACHLOROETHANE	48J	UG/KG	CARBAZOLE
360U	UG/KG	NITROBENZENE	360U	UG/KG	DI-N-BUTYLPHthalate
360U	UG/KG	ISOPHORONE	540	UG/KG	FLUORANTHENE
360U	UG/KG	2-NITROPHENOL	440J	UG/KG	PYRENE
360U	UG/KG	2,4-DIMETHYLPHENOL	360U	UG/KG	BENZYL BUTYL PHTHALATE
360U	UG/KG	BIS(2-CHLOROETHOXY)METHANE	360U	UG/KG	3,3'-DICHLOROBENZIDINE
360U	UG/KG	2,4-DICHLOROPHENOL	260J	UG/KG	BENZO(A)ANTHRACENE
360U	UG/KG	1,2,4-TRICHLOROBENZENE	220J	UG/KG	CHRYSENE
360U	UG/KG	NAPHTHALENE	360U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
360U	UG/KG	4-CHLOROANILINE	360U	UG/KG	DI-N-OCTYLPHthalate
360U	UG/KG	HEXACHLOROBUTADIENE	370J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
360U	UG/KG	4-CHLORO-3-METHYLPHENOL	210J	UG/KG	BENZO-A-PYRENE
360U	UG/KG	2-METHYLNAPHTHALENE	110J	UG/KG	INDENO (1,2,3-CD) PYRENE
360U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	360U	UG/KG	DIBENZO(A,H)ANTHRACENE
360UJ	UG/KG	2,4,6-TRICHLOROPHENOL	110J	UG/KG	BENZO(GHI)PERYLENE
920U	UG/KG	2,4,5-TRICHLOROPHENOL	10	%	% MOISTURE
360U	UG/KG	2-CHLORONAPHTHALENE			
920U	UG/KG	2-NITROANILINE			
360U	UG/KG	DIMETHYL PHTHALATE			
360U	UG/KG	ACENAPHTHYLENE			
360U	UG/KG	2,6-DINITROTOLUENE			
920U	UG/KG	3-NITROANILINE			
360U	UG/KG	ACENAPHTHENE			
920U	UG/KG	2,4-DINITROPHENOL			
920U	UG/KG	4-NITROPHENOL			
360U	UG/KG	DIBENZOFURAN			
360U	UG/KG	2,4-DINITROTOLUENE			
360U	UG/KG	DIETHYL PHTHALATE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100211

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10157 FY 1997 Project: 97-0292

MISCELLANEOUS COMPOUNDS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS07

MD Number: MN13

Media: SOIL

D Number: MN13

Printed by: John McConney

Collected By:

Beginning: 07/08/97 12:30

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

200JN UG/KG BENZOPYRENE (NOT A)

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10158 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Collected By:

Facility: BROWN'S DUMP

Beginning: 07/08/97 12:25

Program: NSF

Ending:

Id/Station: BDMW01

JACKSONVILLE, FL

Case Number: 25558

Media: GROUNDWA

MD Number: MN37

Inorg Contractor: SENTIN

D Number: MN37

Org Contractor: COMPU

RESULTS UNITS ANALYTE

10U UG/L PHENOL
 10UJ UG/L BIS(2-CHLOROETHYL) ETHER
 10U UG/L 2-CHLOROPHENOL
 10U UG/L 1,3-DICHLOROBENZENE
 10U UG/L 1,4-DICHLOROBENZENE
 10U UG/L 1,2-DICHLOROBENZENE
 10U UG/L 2-METHYLPHENOL
 10U UG/L BIS(2-CHLOROISOPROPYL) ETHER
 10U UG/L (3-AND/OR 4-)METHYLPHENOL
 10U UG/L N-NITROSODI-N-PROPYLAMINE
 10U UG/L HEXACHLOROETHANE
 10U UG/L NITROBENZENE
 10U UG/L ISOPHORONE
 10U UG/L 2-NITROPHENOL
 10U UG/L 2,4-DIMETHYLPHENOL
 10U UG/L BIS(2-CHLOROETHOXY)METHANE
 10U UG/L 2,4-DICHLOROPHENOL
 10U UG/L 1,2,4-TRICHLOROBENZENE
 10U UG/L NAPHTHALENE
 10U UG/L 4-CHLOROANILINE
 10U UG/L HEXACHLOROBUTADIENE
 10U UG/L 4-CHLORO-3-METHYLPHENOL
 10U UG/L 2-METHYLNAPHTHALENE
 10U UG/L HEXACHLOROCYCLOPENTADIENE (HCCP)
 10UJ UG/L 2,4,6-TRICHLOROPHENOL
 25U UG/L 2,4,5-TRICHLOROPHENOL
 10U UG/L 2-CHLORONAPHTHALENE
 25U UG/L 2-NITROANILINE
 10U UG/L DIMETHYL PHTHALATE
 10U UG/L ACENAPHTHYLENE
 10U UG/L 2,6-DINITROTOLUENE
 25U UG/L 3-NITROANILINE
 10U UG/L ACENAPHTHENE
 25U UG/L 2,4-DINITROPHENOL
 25U UG/L 4-NITROPHENOL
 10U UG/L DIBENZOFURAN
 10U UG/L 2,4-DINITROTOLUENE
 10U UG/L DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

10U UG/L 4-CHLOROPHENYL PHENYL ETHER
 10U UG/L FLUORENE
 25U UG/L 4-NITROANILINE
 25U UG/L 2-METHYL-4,6-DINITROPHENOL
 10U UG/L N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
 10UJ UG/L 4-BROMOPHENYL PHENYL ETHER
 10UJ UG/L HEXACHLOROBENZENE (HCB)
 25U UG/L PENTACHLOROPHENOL
 10U UG/L PHENANTHRENE
 10U UG/L ANTHRACENE
 10U UG/L CARBAZOLE
 10U UG/L DI-N-BUTYLPHthalate
 10U UG/L FLUORANTHENE
 10U UG/L PYRENE
 10U UG/L BENZYL BUTYL PHTHALATE
 10U UG/L 3,3'-DICHLOROBENZIDINE
 10U UG/L BENZO(A)ANTHRACENE
 10U UG/L CHRYSENE
 10U UG/L BIS(2-ETHYLHEXYL) PHTHALATE
 10U UG/L DI-N-OCTYLPHthalate
 10U UG/L BENZO(B AND/OR K)FLUORANTHENE
 10U UG/L BENZO-A-PYRENE
 10U UG/L INDENO (1,2,3-CD) PYRENE
 10U UG/L DIBENZO(A,H)ANTHRACENE
 10U UG/L BENZO(GHI)PERYLENE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100213

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10159 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD04

MD Number: MN32

Media: SOIL

D Number: MN32

Printed by: John McConney

Collected By:

Beginning: 07/08/97 15:05

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

500U	UG/KG	PHENOL
500UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
500U	UG/KG	2-CHLOROPHENOL
500U	UG/KG	1,3-DICHLOROBENZENE
500U	UG/KG	1,4-DICHLOROBENZENE
500U	UG/KG	1,2-DICHLOROBENZENE
500U	UG/KG	2-METHYLPHENOL
500U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
500U	UG/KG	(3-AND/OR 4)-METHYLPHENOL
500U	UG/KG	N-NITROSODI-N-PROPYLAMINE
500U	UG/KG	HEXACHLOROETHANE
500U	UG/KG	NITROBENZENE
500U	UG/KG	ISOPHORONE
500U	UG/KG	2-NITROPHENOL
500U	UG/KG	2,4-DIMETHYLPHENOL
500U	UG/KG	BIS(2-CHLOROETHOXY)METHANE
500U	UG/KG	2,4-DICHLOROPHENOL
500U	UG/KG	1,2,4-TRICHLOROBENZENE
500U	UG/KG	NAPHTHALENE
500U	UG/KG	4-CHLOROANILINE
500U	UG/KG	HEXACHLOROBUTADIENE
500U	UG/KG	4-CHLORO-3-METHYLPHENOL
500U	UG/KG	2-METHYLNAPHTHALENE
500U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
500UJ	UG/KG	2,4,6-TRICHLOROPHENOL
1200U	UG/KG	2,4,5-TRICHLOROPHENOL
500U	UG/KG	2-CHLORONAPHTHALENE
1200U	UG/KG	2-NITROANILINE
500U	UG/KG	DIMETHYL PHTHALATE
500U	UG/KG	ACENAPHTHYLENE
500U	UG/KG	2,6-DINITROTOLUENE
1200U	UG/KG	3-NITROANILINE
500U	UG/KG	ACENAPHTHENE
1200U	UG/KG	2,4-DINITROPHENOL
1200U	UG/KG	4-NITROPHENOL
500U	UG/KG	DIBENZOFURAN
500U	UG/KG	2,4-DINITROTOLUENE
500U	UG/KG	DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

500U	UG/KG	4-CHLOROPHENYL PHENYL ETHER
500U	UG/KG	FLUORENE
1200U	UG/KG	4-NITROANILINE
1200U	UG/KG	2-METHYL-4,6-DINITROPHENOL
500U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
500UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
500UJ	UG/KG	HEXACHLOROBENZENE (HCB)
1200U	UG/KG	PENTACHLOROPHENOL
1200	UG/KG	PHENANTHRENE
200J	UG/KG	ANTHACENE
100J	UG/KG	CARBAZOLE
500U	UG/KG	DI-N-BUTYLPHthalate
2000	UG/KG	FLUORANTHENE
1500J	UG/KG	PYRENE
500U	UG/KG	BENZYL BUTYL PHTHALATE
500U	UG/KG	3,3'-DICHLOROBENZIDINE
790	UG/KG	BENZO(A)ANTHACENE
680	UG/KG	CHRYSENE
500U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
500U	UG/KG	DI-N-OCTYLPHthalate
780J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
400J	UG/KG	BENZO-A-PYRENE
230J	UG/KG	INDENO (1,2,3-CD) PYRENE
93J	UG/KG	DIBENZO(A,H)ANTHACENE
230J	UG/KG	BENZO(GHI)PERYLENE
34	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

0214

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10159 FY 1997 Project: 97-0292

Printed by: John McConney

MISCELLANEOUS COMPOUNDS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSD04

MD Number: MN32

Media: SOIL

D Number: MN32

Collected By:

Beginning: 07/08/97 15:05

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

300JN	UG/KG	METHYLANTHRACENE (2 ISOMERS)
100JN	UG/KG	DIMETHYLPHENANTHRENE
400JN	UG/KG	BENZOPYRENE (NOT A, 2 ISOMERS)
500J	UG/KG	1 UNIDENTIFIED COMPOUND

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

10
0215

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10160 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station:BDSW04

MD Number: MN36

Media: SURFACEWA

D Number: MN36

Printed by: John McConney

Collected By:

Beginning: 07/08/97 15:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
10U	UG/L	PHENOL	10U	UG/L	4-CHLOROPHENYL PHENYL ETHER
10UJ	UG/L	BIS(2-CHLOROETHYL) ETHER	10U	UG/L	FLUORENE
10U	UG/L	2-CHLOROPHENOL	25U	UG/L	4-NITROANILINE
10U	UG/L	1,3-DICHLOROBENZENE	25U	UG/L	2-METHYL-4,6-DINITROPHENOL
10U	UG/L	1,4-DICHLOROBENZENE	10U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	UG/L	1,2-DICHLOROBENZENE	10UJ	UG/L	4-BROMOPHENYL PHENYL ETHER
10U	UG/L	2-METHYLPHENOL	10UJ	UG/L	HEXACHLOROBENZENE (HCB)
10U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	25U	UG/L	PENTACHLOROPHENOL
10U	UG/L	(3-AND/OR 4-METHYLPHENOL	10U	UG/L	PHENANTHRENE
10U	UG/L	N-NITROSODI-N-PROPYLAMINE	10U	UG/L	ANTHRACENE
10U	UG/L	HEXACHLOROETHANE	10U	UG/L	CARBAZOLE
10U	UG/L	NITROBENZENE	10U	UG/L	DI-N-BUTYLPHTHALATE
10U	UG/L	ISOPHORONE	10U	UG/L	FLUORANTHENE
10U	UG/L	2-NITROPHENOL	10U	UG/L	PYRENE
10U	UG/L	2,4-DIMETHYLPHENOL	10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE	10U	UG/L	3,3'-DICHLOROBENZIDINE
10U	UG/L	2,4-DICHLOROPHENOL	10U	UG/L	BENZO(A)ANTHRACENE
10U	UG/L	1,2,4-TRICHLOROBENZENE	10U	UG/L	CHRYSENE
10U	UG/L	NAPHTHALENE	10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	4-CHLOROANILINE	10U	UG/L	DI-N-OCTYLPHTHALATE
10U	UG/L	HEXACHLOROBUTADIENE	10U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
10U	UG/L	4-CHLORO-3-METHYLPHENOL	10U	UG/L	BENZO-A-PYRENE
10U	UG/L	2-METHYLNAPHTHALENE	10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	UG/L	DIBENZO(A,H)ANTHRACENE
10UJ	UG/L	2,4,6-TRICHLOROPHENOL	10U	UG/L	BENZO(GHI)PERYLENE
25U	UG/L	2,4,5-TRICHLOROPHENOL			
10U	UG/L	2-CHLORONAPHTHALENE			
25U	UG/L	2-NITROANILINE			
10U	UG/L	DIMETHYL PHTHALATE			
10U	UG/L	ACENAPHTHYLENE			
10U	UG/L	2,6-DINITROTOLUENE			
25U	UG/L	3-NITROANILINE			
10U	UG/L	ACENAPHTHENE			
25U	UG/L	2,4-DINITROPHENOL			
25U	UG/L	4-NITROPHENOL			
10U	UG/L	DIBENZOFURAN			
10U	UG/L	2,4-DINITROTOLUENE			
10U	UG/L	DIETHYL PHTHALATE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100216

Sample 10161 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Collected By:

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Beginning: 07/08/97 15:05

Program: NSF

Case Number: 25558

Ending:

Id/Station: BDMW05

MD Number: MN41

Inorg Contractor: SENTIN

Media: GROUNDWA

D Number: MN41

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
10U	UG/L	PHENOL
10UJ	UG/L	BIS(2-CHLOROETHYL) ETHER
10U	UG/L	2-CHLOROPHENOL
10U	UG/L	1,3-DICHLOROBENZENE
10U	UG/L	1,4-DICHLOROBENZENE
10U	UG/L	1,2-DICHLOROBENZENE
10U	UG/L	2-METHYLPHENOL
10U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER
10U	UG/L	(3-AND/OR 4)-METHYLPHENOL
10U	UG/L	N-NITROSODI-N-PROPYLAMINE
10U	UG/L	HEXACHLOROETHANE
10U	UG/L	NITROBENZENE
10U	UG/L	ISOPHORONE
10U	UG/L	2-NITROPHENOL
10U	UG/L	2,4-DIMETHYLPHENOL
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE
10U	UG/L	2,4-DICHLOROPHENOL
10U	UG/L	1,2,4-TRICHLOROBENZENE
10U	UG/L	NAPHTHALENE
10U	UG/L	4-CHLOROANILINE
10U	UG/L	HEXACHLOROBUTADIENE
10U	UG/L	4-CHLORO-3-METHYLPHENOL
10U	UG/L	2-METHYLNAPHTHALENE
10U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)
10UJ	UG/L	2,4,6-TRICHLOROPHENOL
25U	UG/L	2,4,5-TRICHLOROPHENOL
10U	UG/L	2-CHLORONAPHTHALENE
25U	UG/L	2-NITROANILINE
10U	UG/L	DIMETHYL PHTHALATE
10U	UG/L	ACENAPHTHYLENE
10U	UG/L	2,6-DINITROTOLUENE
25U	UG/L	3-NITROANILINE
10U	UG/L	ACENAPHTHENE
25U	UG/L	2,4-DINITROPHENOL
25U	UG/L	4-NITROPHENOL
10U	UG/L	DIBENZOFURAN
10U	UG/L	2,4-DINITROTOLUENE
10U	UG/L	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
10U	UG/L	4-CHLOROPHENYL PHENYL ETHER
10U	UG/L	FLUORENE
25U	UG/L	4-NITROANILINE
25U	UG/L	2-METHYL-4,6-DINITROPHENOL
10UJ	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10UJ	UG/L	4-BROMOPHENYL PHENYL ETHER
10UJ	UG/L	HEXACHLOROBENZENE (HCB)
25U	UG/L	PENTACHLOROPHENOL
10U	UG/L	PHENANTHRENE
10U	UG/L	ANTHRACENE
10U	UG/L	CARBAZOLE
10U	UG/L	DI-N-BUTYLPHthalate
10U	UG/L	FLUORANTHENE
10U	UG/L	PYRENE
10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	3,3'-DICHLOROBENZIDINE
10U	UG/L	BENZO(A)ANTHRACENE
10U	UG/L	CHRYSENE
10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	DI-N-OCTYLPHthalate
10U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
10U	UG/L	BENZO-A-PYRENE
10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	DIBENZO(A,H)ANTHRACENE
10U	UG/L	BENZO(GHI)PERYLENE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100217

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10162 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSW03

MD Number: MN35

Media: SURFACEWA

D Number: MN35

Printed by: John McConney

Collected By:

Beginning: 07/08/97 16:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
10U	UG/L	PHENOL	10U	UG/L	4-CHLOROPHENYL PHENYL ETHER
10UJ	UG/L	BIS(2-CHLOROETHYL) ETHER	10U	UG/L	FLUORENE
10U	UG/L	2-CHLOROPHENOL	25U	UG/L	4-NITROANILINE
10U	UG/L	1,3-DICHLOROBENZENE	25U	UG/L	2-METHYL-4,6-DINITROPHENOL
10U	UG/L	1,4-DICHLOROBENZENE	10U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	UG/L	1,2-DICHLOROBENZENE	10UJ	UG/L	4-BROMOPHENYL PHENYL ETHER
10U	UG/L	2-METHYLPHENOL	10UJ	UG/L	HEXACHLOROBENZENE (HCB)
10U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	25U	UG/L	PENTACHLOROPHENOL
10U	UG/L	(3-AND/OR 4-)METHYLPHENOL	10U	UG/L	PHENANTHRENE
10U	UG/L	N-NITROSODI-N-PROPYLAMINE	10U	UG/L	ANTHRACENE
10U	UG/L	HEXACHLOROETHANE	10U	UG/L	CARBAZOLE
10U	UG/L	NITROBENZENE	10U	UG/L	DI-N-BUTYLPHTHALATE
10U	UG/L	ISOPHORONE	10U	UG/L	FLUORANTHENE
10U	UG/L	2-NITROPHENOL	10U	UG/L	PYRENE
10U	UG/L	2,4-DIMETHYLPHENOL	10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE	10U	UG/L	3,3'-DICHLOROBENZIDINE
10U	UG/L	2,4-DICHLOROPHENOL	10U	UG/L	BENZO(A)ANTHRACENE
10U	UG/L	1,2,4-TRICHLOROBENZENE	10U	UG/L	CHRYSENE
10U	UG/L	NAPHTHALENE	10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	4-CHLOROANILINE	10U	UG/L	DI-N-OCTYLPHTHALATE
10U	UG/L	HEXACHLOROBUTADIENE	10U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
10U	UG/L	4-CHLORO-3-METHYLPHENOL	10U	UG/L	BENZO-A-PYRENE
10U	UG/L	2-METHYLNAPHTHALENE	10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	UG/L	DIBENZO(A,H)ANTHRACENE
10UJ	UG/L	2,4,6-TRICHLOROPHENOL	10U	UG/L	BENZO(GHI)PERYLENE
25U	UG/L	2,4,5-TRICHLOROPHENOL			
10U	UG/L	2-CHLORONAPHTHALENE			
25U	UG/L	2-NITROANILINE			
10U	UG/L	DIMETHYL PHTHALATE			
10U	UG/L	ACENAPHTHYLENE			
10U	UG/L	2,6-DINITROTOLUENE			
25U	UG/L	3-NITROANILINE			
10U	UG/L	ACENAPHTHENE			
25U	UG/L	2,4-DINITROPHENOL			
25U	UG/L	4-NITROPHENOL			
10U	UG/L	DIBENZOFURAN			
10U	UG/L	2,4-DINITROTOLUENE			
10U	UG/L	DIETHYL PHTHALATE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-rc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10163 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSD03

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN31

D Number: MN31

Printed by: John McConney

Collected By:

Beginning: 07/08/97 16:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

440U	UG/KG	PHENOL
440UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
440U	UG/KG	2-CHLOROPHENOL
440U	UG/KG	1,3-DICHLOROBENZENE
440U	UG/KG	1,4-DICHLOROBENZENE
440U	UG/KG	1,2-DICHLOROBENZENE
440U	UG/KG	2-METHYLPHENOL
440U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
440U	UG/KG	(3-AND/OR 4)-METHYLPHENOL
440U	UG/KG	N-NITROSODI-N-PROPYLAMINE
440U	UG/KG	HEXACHLOROETHANE
440U	UG/KG	NITROBENZENE
440U	UG/KG	ISOPHORONE
440U	UG/KG	2-NITROPHENOL
440U	UG/KG	2,4-DIMETHYLPHENOL
440U	UG/KG	BIS(2-CHLOROETHOXY)METHANE
440U	UG/KG	2,4-DICHLOROPHENOL
440U	UG/KG	1,2,4-TRICHLOROBENZENE
440U	UG/KG	NAPHTHALENE
440U	UG/KG	4-CHLOROANILINE
440U	UG/KG	HEXACHLOROBUTADIENE
440U	UG/KG	4-CHLORO-3-METHYLPHENOL
440U	UG/KG	2-METHYLNAPHTHALENE
440U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
440UJ	UG/KG	2,4,6-TRICHLOROPHENOL
1100U	UG/KG	2,4,5-TRICHLOROPHENOL
440U	UG/KG	2-CHLORONAPHTHALENE
1100U	UG/KG	2-NITROANILINE
440U	UG/KG	DIMETHYL PHTHALATE
440U	UG/KG	ACENAPHTHYLENE
440U	UG/KG	2,6-DINITROTOLUENE
1100U	UG/KG	3-NITROANILINE
440U	UG/KG	ACENAPHTHENE
1100U	UG/KG	2,4-DINITROPHENOL
1100U	UG/KG	4-NITROPHENOL
440U	UG/KG	DIBENZOFURAN
440U	UG/KG	2,4-DINITROTOLUENE
440U	UG/KG	DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

440U	UG/KG	4-CHLOROPHENYL PHENYL ETHER
440U	UG/KG	FLUORENE
1100U	UG/KG	4-NITROANILINE
1100U	UG/KG	2-METHYL-4,6-DINITROPHENOL
440U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
440UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
440UJ	UG/KG	HEXAChLOROBENZENE (HCB)
1100U	UG/KG	PENTACHLOROPHENOL
440U	UG/KG	PHENANTHRENE
440U	UG/KG	ANTHRACENE
440U	UG/KG	CARBAZOLE
440U	UG/KG	DI-N-BUTYLPHthalate
440U	UG/KG	FLUORANTHENE
440U	UG/KG	PYRENE
440U	UG/KG	BENZYL BUTYL PHTHALATE
440U	UG/KG	3,3'-DICHLOROBENZIDINE
440U	UG/KG	BENZO(A)ANTHRACENE
440U	UG/KG	CHRySENE
440U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
440U	UG/KG	DI-N-OCTYLPHthalate
440U	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
440U	UG/KG	BENZO-A-PYRENE
440U	UG/KG	INDENO (1,2,3-CD) PYRENE
440U	UG/KG	DIBENZO(A,H)ANTHRACENE
440U	UG/KG	BENZO(GHI)PERYLENE

26 % % MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10164 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Collected By:

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Beginning: 07/08/97 17:15

Program: NSF

Case Number: 25558

Ending:

Id/Station: BDMW06

MD Number: MN39

Inorg Contractor: SENTIN

Media: GROUNDWA

D Number: MN39

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
10U	UG/L	PHENOL
10UJ	UG/L	BIS(2-CHLOROETHYL) ETHER
10U	UG/L	2-CHLOROPHENOL
10U	UG/L	1,3-DICHLOROBENZENE
10U	UG/L	1,4-DICHLOROBENZENE
10U	UG/L	1,2-DICHLOROBENZENE
10U	UG/L	2-METHYLPHENOL
10U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER
10U	UG/L	(3-AND/OR 4-)METHYLPHENOL
10U	UG/L	N-NITROSODI-N-PROPYLAMINE
10U	UG/L	HEXAChLOROETHANE
10U	UG/L	NITROBENZENE
10U	UG/L	ISOPHORONE
10U	UG/L	2-NITROPHENOL
10U	UG/L	2,4-DIMETHYLPHENOL
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE
10U	UG/L	2,4-DICHLOROPHENOL
10U	UG/L	1,2,4-TRICHLOROBENZENE
10U	UG/L	NAPHTHALENE
10U	UG/L	4-CHLOROANILINE
10U	UG/L	HEXAChLOROBUTADIENE
10U	UG/L	4-CHLORO-3-METHYLPHENOL
10U	UG/L	2-METHYLNAPHTHALENE
10U	UG/L	HEXAChLOROCYCLOPENTADIENE (HCCP)
10UJ	UG/L	2,4,6-TRICHLOROPHENOL
25U	UG/L	2,4,5-TRICHLOROPHENOL
10U	UG/L	2-CHLORONAPHTHALENE
25U	UG/L	2-NITROANILINE
10U	UG/L	DIMETHYL PHTHALATE
10U	UG/L	ACENAPHTHYLENE
10U	UG/L	2,6-DINITROTOLUENE
25U	UG/L	3-NITROANILINE
10U	UG/L	ACENAPHTHENE
25U	UG/L	2,4-DINITROPHENOL
25U	UG/L	4-NITROPHENOL
10U	UG/L	DIBENZOFURAN
10U	UG/L	2,4-DINITROTOLUENE
10U	UG/L	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
10U	UG/L	4-CHLOROPHENYL PHENYL ETHER
10U	UG/L	FLUORENE
25U	UG/L	4-NITROANILINE
25U	UG/L	2-METHYL-4,6-DINITROPHENOL
10U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10UJ	UG/L	4-BROMOPHENYL PHENYL ETHER
10UJ	UG/L	HEXAChLOROBENZENE (HCB)
25U	UG/L	PENTACHLOROPHENOL
10U	UG/L	PHENANTHRENE
10U	UG/L	ANTHRACENE
10U	UG/L	CARBAZOLE
10U	UG/L	DI-N-BUTYLPHthalate
10U	UG/L	FLUORANTHENE
10U	UG/L	PYRENE
10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	3,3'-DICHLOROBENZIDINE
10U	UG/L	BENZO(A)ANTHRACENE
10U	UG/L	CHRYSENE
10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	DI-N-OCTYLPHthalate
10U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
10U	UG/L	BENZO-A-PYRENE
10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	DIBENZO(A,H)ANTHRACENE
10U	UG/L	BENZO(GHI)PERYLENE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100220

Sample 10165 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Collected By:

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Beginning: 07/09/97 09:25

Program: NSF

Case Number: 25558

Ending:

Id/Station: BDSW01

MD Number: MN33

Inorg Contractor: SENTIN

Media: SURFACEWA

D Number: MN33

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
10U	UG/L	PHENOL
10UJ	UG/L	BIS(2-CHLOROETHYL) ETHER
10U	UG/L	2-CHLOROPHENOL
10U	UG/L	1,3-DICHLOROBENZENE
10U	UG/L	1,4-DICHLOROBENZENE
10U	UG/L	1,2-DICHLOROBENZENE
10U	UG/L	2-METHYLPHENOL
10U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER
10U	UG/L	(3-AND/OR 4-)METHYLPHENOL
10U	UG/L	N-NITROSODI-N-PROPYLAMINE
10U	UG/L	HEXACHLOROETHANE
10U	UG/L	NITROBENZENE
10U	UG/L	ISOPHORONE
10U	UG/L	2-NITROPHENOL
10U	UG/L	2,4-DIMETHYLPHENOL
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE
10U	UG/L	2,4-DICHLOROPHENOL
10U	UG/L	1,2,4-TRICHLOROBENZENE
10U	UG/L	NAPHTHALENE
10U	UG/L	4-CHLOROPHENOL
10U	UG/L	HEXACHLOROBUTADIENE
10U	UG/L	4-CHLORO-3-METHYLPHENOL
10U	UG/L	2-METHYLNAPHTHALENE
10U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)
10UJ	UG/L	2,4,6-TRICHLOROPHENOL
25U	UG/L	2,4,5-TRICHLOROPHENOL
10U	UG/L	2-CHLORONAPHTHALENE
25U	UG/L	2-NITROANILINE
10U	UG/L	DIMETHYL PHTHALATE
10U	UG/L	ACENAPHTHYLENE
10U	UG/L	2,6-DINITROTOLUENE
25U	UG/L	3-NITROANILINE
10U	UG/L	ACENAPHTHENE
25U	UG/L	2,4-DINITROPHENOL
25U	UG/L	4-NITROPHENOL
10U	UG/L	DIBENZOFURAN
10U	UG/L	2,4-DINITROTOLUENE
10U	UG/L	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
10U	UG/L	4-CHLOROPHENYL PHENYL ETHER
10U	UG/L	FLUORENE
25U	UG/L	4-NITROANILINE
25U	UG/L	2-METHYL-4,6-DINITROPHENOL
10UJ	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10UJ	UG/L	4-BROMOPHENYL PHENYL ETHER
10UJ	UG/L	HEXACHLOROBENZENE (HCB)
25U	UG/L	PENTACHLOROPHENOL
10U	UG/L	PHENANTHRENE
10U	UG/L	ANTHRACENE
10U	UG/L	CARBAZOLE
10U	UG/L	DI-N-BUTYLPHthalate
10U	UG/L	FLUORANTHENE
10U	UG/L	PYRENE
10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	3,3'-DICHLOROBENZIDINE
10U	UG/L	BENZO(A)ANTHRACENE
10U	UG/L	CHRYSENE
10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	DI-N-OCTYLPHthalate
10U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
10U	UG/L	BENZO-A-PYRENE
10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	DIBENZO(A,H)ANTHRACENE
10U	UG/L	BENZO(GHI)PERYLENE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1 10 0221

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10166 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Collected By:

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Beginning: 07/09/97 09:00

Program: NSF

Case Number: 25558

Ending:

Id/Station: BDSW02

MD Number: MN34

Inorg Contractor: SENTIN

Media: SURFACEWA

D Number: MN34

Org Contractor: COMPU

RESULTS UNITS ANALYTE

10U	UG/L	PHENOL
10UJ	UG/L	BIS(2-CHLOROETHYL) ETHER
10U	UG/L	2-CHLOROPHENOL
10U	UG/L	1,3-DICHLOROBENZENE
10U	UG/L	1,4-DICHLOROBENZENE
10U	UG/L	1,2-DICHLOROBENZENE
10U	UG/L	2-METHYLPHENOL
10U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER
10U	UG/L	(3-AND/OR 4-)METHYLPHENOL
10U	UG/L	N-NITROSODI-N-PROPYLAMINE
10U	UG/L	HEXACHLOROETHANE
10U	UG/L	NITROBENZENE
10U	UG/L	ISOPHORONE
10U	UG/L	2-NITROPHENOL
10U	UG/L	2,4-DIMETHYLPHENOL
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE
10U	UG/L	2,4-DICHLOROPHENOL
10U	UG/L	1,2,4-TRICHLOROBENZENE
10U	UG/L	NAPHTHALENE
10U	UG/L	4-CHLOROANILINE
10U	UG/L	HEXACHLOROBUTADIENE
10U	UG/L	4-CHLORO-3-METHYLPHENOL
10U	UG/L	2-METHYLNAPHTHALENE
10U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)
10UJ	UG/L	2,4,6-TRICHLOROPHENOL
25U	UG/L	2,4,5-TRICHLOROPHENOL
10U	UG/L	2-CHLORONAPHTHALENE
25U	UG/L	2-NITROANILINE
10U	UG/L	DIMETHYL PHTHALATE
10U	UG/L	ACENAPHTHYLENE
10U	UG/L	2,6-DINITROTOLUENE
25U	UG/L	3-NITROANILINE
10U	UG/L	ACENAPHTHENE
25U	UG/L	2,4-DINITROPHENOL
25U	UG/L	4-NITROPHENOL
10U	UG/L	DIBENZOFURAN
10U	UG/L	2,4-DINITROTOLUENE
10U	UG/L	DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

10U	UG/L	4-CHLOROPHENYL PHENYL ETHER
10U	UG/L	FLUORENE
25U	UG/L	4-NITROANILINE
25U	UG/L	2-METHYL-4,6-DINITROPHENOL
10U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10UJ	UG/L	4-BROMOPHENYL PHENYL ETHER
10UJ	UG/L	HEXACHLOROBENZENE (HCB)
25U	UG/L	PENTACHLOROPHENOL
10U	UG/L	PHENANTHRENE
10U	UG/L	ANTHRACENE
10U	UG/L	CARBAZOLE
10U	UG/L	DI-N-BUTYLPHthalate
10U	UG/L	FLUORANTHENE
10U	UG/L	PYRENE
10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	3,3'-DICHLOROBENZIDINE
10U	UG/L	BENZO(A)ANTHRACENE
10U	UG/L	CHRYSENE
10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	DI-N-OCTYLPHthalate
10U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
10U	UG/L	BENZO-A-PYRENE
10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	DIBENZO(A,H)ANTHRACENE
10U	UG/L	BENZO(GHI)PERYLENE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

110
0222

Sample 10167 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDS01

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN29

D Number: MN29

Printed by: John McConney

Collected By:

Beginning: 07/09/97 09:30

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

410UJ	UG/KG	PHENOL
410UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
410UJ	UG/KG	2-CHLOROPHENOL
410UJ	UG/KG	1,3-DICHLOROBENZENE
410UJ	UG/KG	1,4-DICHLOROBENZENE
410UJ	UG/KG	1,2-DICHLOROBENZENE
410UJ	UG/KG	2-METHYLPHENOL
410UJ	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
410UJ	UG/KG	(3-AND/OR 4)-METHYLPHENOL
410UJ	UG/KG	N-NITROSODI-N-PROPYLAMINE
410UJ	UG/KG	HEXACHLOROETHANE
410UJ	UG/KG	NITROBENZENE
410UJ	UG/KG	ISOPHORONE
410UJ	UG/KG	2-NITROPHENOL
410UJ	UG/KG	2,4-DIMETHYLPHENOL
410UJ	UG/KG	BIS(2-CHLOROETHOXY)METHANE
410UJ	UG/KG	2,4-DICHLOROPHENOL
410UJ	UG/KG	1,2,4-TRICHLOROBENZENE
410UJ	UG/KG	NAPHTHALENE
410UJ	UG/KG	4-CHLOROANILINE
410UJ	UG/KG	HEXACHLOROBUTADIENE
410UJ	UG/KG	4-CHLORO-3-METHYLPHENOL
410UJ	UG/KG	2-METHYLNAPHTHALENE
410UJ	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
410UJ	UG/KG	2,4,6-TRICHLOROPHENOL
1000UJ	UG/KG	2,4,5-TRICHLOROPHENOL
410UJ	UG/KG	2-CHLORONAPHTHALENE
1000UJ	UG/KG	2-NITROANILINE
410UJ	UG/KG	DIMETHYL PHTHALATE
410UJ	UG/KG	ACENAPHTHYLENE
410UJ	UG/KG	2,6-DINITROTOLUENE
1000UJ	UG/KG	3-NITROANILINE
410UJ	UG/KG	ACENAPHTHENE
1000UJ	UG/KG	2,4-DINITROPHENOL
1000UJ	UG/KG	4-NITROPHENOL
410UJ	UG/KG	DIBENZOFURAN
410UJ	UG/KG	2,4-DINITROTOLUENE
410UJ	UG/KG	DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

410UJ	UG/KG	4-CHLOROPHENYL PHENYL ETHER
410UJ	UG/KG	FLUORENE
1000UJ	UG/KG	4-NITROANILINE
1000UJ	UG/KG	2-METHYL-4,6-DINITROPHENOL
410UJ	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
410UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
410UJ	UG/KG	HEXACHLOROBENZENE (HCB)
1000UJ	UG/KG	PENTACHLOROPHENOL
59J	UG/KG	PHENANTHRENE
410UJ	UG/KG	ANTHRACENE
410UJ	UG/KG	CARBAZOLE
410UJ	UG/KG	DI-N-BUTYLPHthalate
300J	UG/KG	FLUORANTHENE
240J	UG/KG	PYRENE
410UJ	UG/KG	BENZYL BUTYL PHTHALATE
410UJ	UG/KG	3,3'-DICHLOROBENZIDINE
170J	UG/KG	BENZO(A)ANTHRACENE
150J	UG/KG	CHRYSENE
410UJ	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
410UJ	UG/KG	DI-N-OCTYLPHthalate
170J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
91J	UG/KG	BENZO-A-PYRENE
44J	UG/KG	INDENO (1,2,3-CD) PYRENE
410UJ	UG/KG	DIBENZO(A,H)ANTHRACENE
410UJ	UG/KG	BENZO(GHI)PERYLENE
20	%	% MOISTURE

EXCESSIVE HOLDING TIME

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

8270
0111

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10168 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSD02

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN30

D Number: MN30

Printed by: John McConney

Collected By:

Beginning: 07/09/97 09:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

420U UG/KG PHENOL
 420UJ UG/KG BIS(2-CHLOROETHYL) ETHER
 420U UG/KG 2-CHLOROPHENOL
 420U UG/KG 1,3-DICHLOROBENZENE
 420U UG/KG 1,4-DICHLOROBENZENE
 420U UG/KG 1,2-DICHLOROBENZENE
 420U UG/KG 2-METHYLPHENOL
 420U UG/KG BIS(2-CHLOROISOPROPYL) ETHER
 420U UG/KG (3-AND/OR 4-)METHYLPHENOL
 420U UG/KG N-NITROSODI-N-PROPYLAMINE
 420U UG/KG HEXACHLOROETHANE
 420U UG/KG NITROBENZENE
 420U UG/KG ISOPHORONE
 420U UG/KG 2-NITROPHENOL
 420U UG/KG 2,4-DIMETHYLPHENOL
 420U UG/KG BIS(2-CHLOROETHOXY)METHANE
 420U UG/KG 2,4-DICHLOROPHENOL
 420U UG/KG 1,2,4-TRICHLOROBENZENE
 420U UG/KG NAPHTHALENE
 420U UG/KG 4-CHLOROANILINE
 420U UG/KG HEXACHLOROBUTADIENE
 420U UG/KG 4-CHLORO-3-METHYLPHENOL
 420U UG/KG 2-METHYLNAPHTHALENE
 420U UG/KG HEXACHLOROCYCLOPENTADIENE (HCCP)
 420UJ UG/KG 2,4,6-TRICHLOROPHENOL
 1000U UG/KG 2,4,5-TRICHLOROPHENOL
 420U UG/KG 2-CHLORONAPHTHALENE
 1000U UG/KG 2-NITROANILINE
 420U UG/KG DIMETHYL PHTHALATE
 420U UG/KG ACENAPHTHYLENE
 420U UG/KG 2,6-DINITROTOLUENE
 1000U UG/KG 3-NITROANILINE
 420U UG/KG ACENAPHTHENE
 1000U UG/KG 2,4-DINITROPHENOL
 1000U UG/KG 4-NITROPHENOL
 420U UG/KG DIBENZOFURAN
 420U UG/KG 2,4-DINITROTOLUENE
 420U UG/KG DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

420U UG/KG 4-CHLOROPHENYL PHENYL ETHER
 420U UG/KG FLUORENE
 1000U UG/KG 4-NITROANILINE
 1000U UG/KG 2-METHYL-4,6-DINITROPHENOL
 420U UG/KG N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
 420UJ UG/KG 4-BROMOPHENYL PHENYL ETHER
 420UJ UG/KG HEXACHLOROBENZENE (HCB)
 1000U UG/KG PENTACHLOROPHENOL
 420U UG/KG PHENANTHRENE
 420U UG/KG ANTHRACENE
 420U UG/KG CARBAZOLE
 420U UG/KG DI-N-BUTYLPHthalate
 420U UG/KG FLUORANTHENE
 420U UG/KG PYRENE
 420U UG/KG BENZYL BUTYL PHTHALATE
 420U UG/KG 3,3'-DICHLOROBENZIDINE
 420U UG/KG BENZO(A)ANTHRACENE
 420U UG/KG CHRYSENE
 420U UG/KG BIS(2-ETHYLHEXYL) PHTHALATE
 420U UG/KG DI-N-OCTYLPHthalate
 420U UG/KG BENZO(B AND/OR K)FLUORANTHENE
 420U UG/KG BENZO-A-PYRENE
 420U UG/KG INDENO (1,2,3-CD) PYRENE
 420U UG/KG DIBENZO(A,H)ANTHRACENE
 420U UG/KG BENZO(GHI)PERYLENE
 21 % % MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10169 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Collected By:

Facility: BROWN'S DUMP

Beginning: 07/09/97 10:45

Program: NSF

Ending:

Id/Station: BDSS04

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN10

D Number: MN10

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

360U UG/KG PHENOL
 360U UG/KG BIS(2-CHLOROETHYL) ETHER
 360U UG/KG 2-CHLOROPHENOL
 360U UG/KG 1,3-DICHLOROBENZENE
 360U UG/KG 1,4-DICHLOROBENZENE
 360U UG/KG 1,2-DICHLOROBENZENE
 360U UG/KG 2-METHYLPHENOL
 360U UG/KG BIS(2-CHLOROISOPROPYL) ETHER
 360U UG/KG (3-AND/OR 4)-METHYLPHENOL
 360U UG/KG N-NITROSODI-N-PROPYLAMINE
 360U UG/KG HEXACHLOROETHANE
 360U UG/KG NITROBENZENE
 360U UG/KG ISOPHORONE
 360U UG/KG 2-NITROPHENOL
 360U UG/KG 2,4-DIMETHYLPHENOL
 360U UG/KG BIS(2-CHLOROETHOXY)METHANE
 360U UG/KG 2,4-DICHLOROPHENOL
 360U UG/KG 1,2,4-TRICHLOROBENZENE
 360U UG/KG NAPHTHALENE
 360U UG/KG 4-CHLOROANILINE
 360U UG/KG HEXACHLOROBUTADIENE
 360U UG/KG 4-CHLORO-3-METHYLPHENOL
 360U UG/KG 2-METHYLNAPHTHALENE
 360U UG/KG HEXACHLOROCYCLOPENTADIENE (HCCP)
 360U UG/KG 2,4,6-TRICHLOROPHENOL
 910U UG/KG 2,4,5-TRICHLOROPHENOL
 360U UG/KG 2-CHLORONAPHTHALENE
 910U UG/KG 2-NITROANILINE
 360U UG/KG DIMETHYL PHTHALATE
 360U UG/KG ACENAPHTHYLENE
 360U UG/KG 2,6-DINITROTOLUENE
 910U UG/KG 3-NITROANILINE
 360U UG/KG ACENAPHTHENE
 910U UG/KG 2,4-DINITROPHENOL
 910U UG/KG 4-NITROPHENOL
 360U UG/KG DIBENZOFURAN
 360U UG/KG 2,4-DINITROTOLUENE
 360U UG/KG DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

360U UG/KG 4-CHLOROPHENYL PHENYL ETHER
 360U UG/KG FLUORENE
 910U UG/KG 4-NITROANILINE
 910U UG/KG 2-METHYL-4,6-DINITROPHENOL
 360U UG/KG N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
 360U UG/KG 4-BROMOPHENYL PHENYL ETHER
 360U UG/KG HEXACHLOROBENZENE (HCB)
 910U UG/KG PENTACHLOROPHENOL
 40J UG/KG PHENANTHRENE
 360U UG/KG ANTHRACENE
 360U UG/KG CARBAZOLE
 360U UG/KG DI-N-BUTYLPHthalate
 78J UG/KG FLUORANTHENE
 94J UG/KG PYRENE
 360U UG/KG BENZYL BUTYL PHTHALATE
 360U UG/KG 3,3'-DICHLOROBENZIDINE
 56J UG/KG BENZO(A)ANTHRACENE
 51J UG/KG CHRYSENE
 360U UG/KG BIS(2-ETHYLHEXYL) PHTHALATE
 360U UG/KG DI-N-OCTYLPHthalate
 77J UG/KG BENZO(B AND/OR K)FLUORANTHENE
 41J UG/KG BENZO-A-PYRENE
 360U UG/KG INDENO (1,2,3-CD) PYRENE
 360U UG/KG DIBENZO(A,H)ANTHRACENE
 360U UG/KG BENZO(GHI)PERYLENE
 10 % % MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

0226

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10170 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS08

MD Number: MN14

Media: SOIL

D Number: MN14

Printed by: John McConney

Collected By:

Beginning: 07/09/97 11:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

350U	UG/KG	PHENOL
350UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
350U	UG/KG	2-CHLOROPHENOL
350U	UG/KG	1,3-DICHLOROBENZENE
350U	UG/KG	1,4-DICHLOROBENZENE
350U	UG/KG	1,2-DICHLOROBENZENE
350U	UG/KG	2-METHYLPHENOL
350U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
350U	UG/KG	(3-AND/OR 4)-METHYLPHENOL
350U	UG/KG	N-NITROSDI-N-PROPYLAMINE
350U	UG/KG	HEXACHLOROETHANE
350U	UG/KG	NITROBENZENE
350U	UG/KG	ISOPHORONE
350U	UG/KG	2-NITROPHENOL
350U	UG/KG	2,4-DIMETHYLPHENOL
350U	UG/KG	BIS(2-CHLOROETHOXY)METHANE
350U	UG/KG	2,4-DICHLOROPHENOL
350U	UG/KG	1,2,4-TRICHLOROBENZENE
350U	UG/KG	NAPHTHALENE
350U	UG/KG	4-CHLOROANILINE
350U	UG/KG	HEXA-CHLOROBUTADIENE
350U	UG/KG	4-CHLORO-3-METHYLPHENOL
350U	UG/KG	2-METHYLNAPHTHALENE
350U	UG/KG	HEXA-CHLOROCYCLOPENTADIENE (HCCP)
350UJ	UG/KG	2,4,6-TRICHLOROPHENOL
880U	UG/KG	2,4,5-TRICHLOROPHENOL
350U	UG/KG	2-CHLORONAPHTHALENE
880U	UG/KG	2-NITROANILINE
350U	UG/KG	DIMETHYL PHTHALATE
350U	UG/KG	ACENAPHTHYLENE
350U	UG/KG	2,6-DINITROTOLUENE
880U	UG/KG	3-NITROANILINE
350U	UG/KG	ACENAPHTHENE
880U	UG/KG	2,4-DINITROPHENOL
880U	UG/KG	4-NITROPHENOL
350U	UG/KG	DIBENZOFURAN
350U	UG/KG	2,4-DINITROTOLUENE
350U	UG/KG	DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

350U	UG/KG	4-CHLOROPHENYL PHENYL ETHER
350U	UG/KG	FLUORENE
880U	UG/KG	4-NITROANILINE
880U	UG/KG	2-METHYL-4,6-DINITROPHENOL
350U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
350UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
350UJ	UG/KG	HEXACHLOROBENZENE (HCB)
880U	UG/KG	PENTACHLOROPHENOL
45J	UG/KG	PHENANTHRENE
48J	UG/KG	ANTHRACENE
350U	UG/KG	CARBAZOLE
350U	UG/KG	DI-N-BUTYLPHthalate
72J	UG/KG	FLUORANTHENE
82J	UG/KG	PYRENE
350U	UG/KG	BENZYL BUTYL PHTHALATE
350U	UG/KG	3,3'-DICHLOROBENZIDINE
46J	UG/KG	BENZO(A)ANTHRACENE
44J	UG/KG	CHRYSENE
350U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
350U	UG/KG	DI-N-OCTYLPHthalate
60J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
350U	UG/KG	BENZO-A-PYRENE
350U	UG/KG	INDENO (1,2,3-CD) PYRENE
350U	UG/KG	DIBENZO(A,H)ANTHRACENE
350U	UG/KG	BENZO(GHI)PERYLENE
6	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

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0226

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10171 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Collected By:

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Beginning: 07/09/97 12:00

Program: NSF

Case Number: 25558

Ending:

Id/Station: BDSS12

MD Number: MN18

Inorg Contractor: SENTIN

Media: SOIL

D Number: MN18

Org Contractor: COMPU

RESULTS UNITS ANALYTE

380U	UG/KG	PHENOL
380UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
380U	UG/KG	2-CHLOROPHENOL
380U	UG/KG	1,3-DICHLOROBENZENE
380U	UG/KG	1,4-DICHLOROBENZENE
380U	UG/KG	1,2-DICHLOROBENZENE
380U	UG/KG	2-METHYLPHENOL
380U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
380U	UG/KG	(3-AND/OR 4)-METHYLPHENOL
380U	UG/KG	N-NITROSODI-N-PROPYLAMINE
380U	UG/KG	HEXACHLOROETHANE
380U	UG/KG	NITROBENZENE
380U	UG/KG	ISOPHORONE
380U	UG/KG	2-NITROPHENOL
380U	UG/KG	2,4-DIMETHYLPHENOL
380U	UG/KG	BIS(2-CHLOROETHOXY)METHANE
380U	UG/KG	2,4-DICHLOROPHENOL
380U	UG/KG	1,2,4-TRICHLOROBENZENE
380U	UG/KG	NAPHTHALENE
380U	UG/KG	4-CHLOROANILINE
380U	UG/KG	HEXACHLOROBUTADIENE
380U	UG/KG	4-CHLORO-3-METHYLPHENOL
380U	UG/KG	2-METHYLNAPHTHALENE
380U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
380UJ	UG/KG	2,4,6-TRICHLOROPHENOL
950U	UG/KG	2,4,5-TRICHLOROPHENOL
380U	UG/KG	2-CHLORONAPHTHALENE
950U	UG/KG	2-NITROANILINE
380U	UG/KG	DIMETHYL PHTHALATE
380U	UG/KG	ACENAPHTHYLENE
380U	UG/KG	2,6-DINITROTOLUENE
950U	UG/KG	3-NITROANILINE
380U	UG/KG	ACENAPHTHENE
950U	UG/KG	2,4-DINITROPHENOL
950U	UG/KG	4-NITROPHENOL
380U	UG/KG	DIBENZOFURAN
380U	UG/KG	2,4-DINITROTOLUENE
380U	UG/KG	DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

380U	UG/KG	4-CHLOROPHENYL PHENYL ETHER
380U	UG/KG	FLUORENE
950U	UG/KG	4-NITROANILINE
950U	UG/KG	2-METHYL-4,6-DINITROPHENOL
380U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
380UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
380UJ	UG/KG	HEXACHLOROBENZENE (HCB)
950U	UG/KG	PENTACHLOROPHENOL
310J	UG/KG	PHENANTHRENE
55J	UG/KG	ANTHRACENE
380U	UG/KG	CARBAZOLE
380U	UG/KG	DI-N-BUTYLPHthalate
380	UG/KG	FLUORANTHENE
470J	UG/KG	PYRENE
380U	UG/KG	BENZYL BUTYL PHTHALATE
380U	UG/KG	3,3'-DICHLOROBENZIDINE
250J	UG/KG	BENZO(A)ANTHRACENE
190J	UG/KG	CHRYSENE
380U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
380U	UG/KG	DI-N-OCTYLPHthalate
290J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
170J	UG/KG	BENZO-A-PYRENE
110J	UG/KG	INDENO (1,2,3-CD) PYRENE
380U	UG/KG	DIBENZO(A,H)ANTHRACENE
120J	UG/KG	BENZO(GHI)PERYLENE
14	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

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EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10171 FY 1997 Project: 97-0292

Printed by: John McConney

MISCELLANEOUS COMPOUNDS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS12

MD Number: MN18

Media: SOIL

D Number: MN18

Collected By:

Beginning: 07/09/97 12:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

100JN	UG/KG	BENZOPYRENE (NOT A)
400J	UG/KG	1 UNIDENTIFIED COMPOUND

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc Indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100228

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10172 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS15

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN21

D Number: MN21

Printed by: John McConney

Collected By:

Beginning: 07/09/97 12:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
430U	UG/KG	PHENOL
430UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
430U	UG/KG	2-CHLOROPHENOL
430U	UG/KG	1,3-DICHLOROBENZENE
430U	UG/KG	1,4-DICHLOROBENZENE
430U	UG/KG	1,2-DICHLOROBENZENE
430U	UG/KG	2-METHYLPHENOL
430U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
430U	UG/KG	(3-AND/OR 4-)METHYLPHENOL
430U	UG/KG	N-NITROSODI-N-PROPYLAMINE
430U	UG/KG	HEXACHLOROETHANE
430U	UG/KG	NITROBENZENE
430U	UG/KG	ISOPHORONE
430U	UG/KG	2-NITROPHENOL
430U	UG/KG	2,4-DIMETHYLPHENOL
430U	UG/KG	BIS(2-CHLOROETHOXY)METHANE
430U	UG/KG	2,4-DICHLOROPHENOL
430U	UG/KG	1,2,4-TRICHLOROBENZENE
430U	UG/KG	NAPHTHALENE
430U	UG/KG	4-CHLOROANILINE
430U	UG/KG	HEXACHLOROBUTADIENE
430U	UG/KG	4-CHLORO-3-METHYLPHENOL
430U	UG/KG	2-METHYLNAPHTHALENE
430U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
430UJ	UG/KG	2,4,6-TRICHLOROPHENOL
1100U	UG/KG	2,4,5-TRICHLOROPHENOL
430U	UG/KG	2-CHLORONAPHTHALENE
1100U	UG/KG	2-NITROANILINE
430U	UG/KG	DIMETHYL PHTHALATE
47J	UG/KG	ACENAPHTHYLENE
430U	UG/KG	2,6-DINITROTOLUENE
1100U	UG/KG	3-NITROANILINE
49J	UG/KG	ACENAPHTHENE
1100U	UG/KG	2,4-DINITROPHENOL
1100U	UG/KG	4-NITROPHENOL
430U	UG/KG	DIBENZOFURAN
430U	UG/KG	2,4-DINITROTOLUENE
430U	UG/KG	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
430U	UG/KG	4-CHLOROPHENYL PHENYL ETHER
430U	UG/KG	FLUORENE
1100U	UG/KG	4-NITROANILINE
1100U	UG/KG	2-METHYL-4,6-DINITROPHENOL
430U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
430UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
430UJ	UG/KG	HEXACHLOROBENZENE (HCB)
1100U	UG/KG	PENTACHLOROPHENOL
900	UG/KG	PHENANTHRENE
71J	UG/KG	ANTHRACENE
110J	UG/KG	CARBAZOLE
430U	UG/KG	DI-N-BUTYLPHthalate
2000	UG/KG	FLUORANTHENE
2000J	UG/KG	PYRENE
430U	UG/KG	BENZYL BUTYL PHTHALATE
430U	UG/KG	3,3'-DICHLOROBENZIDINE
690	UG/KG	BENZO(A)ANTHRACENE
730	UG/KG	CHRYSENE
500	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
430U	UG/KG	DI-N-OCTYLPHthalate
1300J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
740	UG/KG	BENZO-A-PYRENE
380J	UG/KG	INDENO (1,2,3-CD) PYRENE
150J	UG/KG	DIBENZO(A,H)ANTHRACENE
440	UG/KG	BENZO(GHI)PERYLENE
25	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100229

Sample 10172 FY 1997 Project: 97-0292

MISCELLANEOUS COMPOUNDS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS15

MD Number: MN21

Media: SOIL

D Number: MN21

Printed by: John McConney

Collected By:

Beginning: 07/09/97 12:25

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

200JN	UG/KG	ANTHRACENEDIONE
100JN	UG/KG	CYCLOPENTAPHENANTHRENONE
90JN	UG/KG	BENZANTHRACENONE
90JN	UG/KG	BENZONAPHTHO thiophene
600JN	UG/KG	BENZOPYRENE (NOT A)

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10173 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS11

MD Number: MN17

Media: SOIL

D Number: MN17

Printed by: John McConney

Collected By:

Beginning: 07/09/97 11:45

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

430U	UG/KG	PHENOL
430UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
430U	UG/KG	2-CHLOROPHENOL
430U	UG/KG	1,3-DICHLOROBENZENE
430U	UG/KG	1,4-DICHLOROBENZENE
430U	UG/KG	1,2-DICHLOROBENZENE
430U	UG/KG	2-METHYLPHENOL
430U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
430U	UG/KG	(3-AND/OR 4)-METHYLPHENOL
430U	UG/KG	N-NITROSODI-N-PROPYLAMINE
430U	UG/KG	HEXACHLOROETHANE
430U	UG/KG	NITROBENZENE
430U	UG/KG	ISOPHORONE
430U	UG/KG	2-NITROPHENOL
430U	UG/KG	2,4-DIMETHYLPHENOL
430U	UG/KG	BIS(2-CHLOROETHOXY)METHANE
430U	UG/KG	2,4-DICHLOROPHENOL
430U	UG/KG	1,2,4-TRICHLOROBENZENE
430U	UG/KG	NAPHTHALENE
430U	UG/KG	4-CHLOROANILINE
430U	UG/KG	HEXACHLOROBUTADIENE
430U	UG/KG	4-CHLORO-3-METHYLPHENOL
430U	UG/KG	2-METHYLNAPHTHALENE
430U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
430UJ	UG/KG	2,4,6-TRICHLOROPHENOL
1100U	UG/KG	2,4,5-TRICHLOROPHENOL
430U	UG/KG	2-CHLORONAPHTHALENE
1100U	UG/KG	2-NITROANILINE
430U	UG/KG	DIMETHYL PHTHALATE
430U	UG/KG	ACENAPHTHYLENE
430U	UG/KG	2,6-DINITROTOLUENE
1100U	UG/KG	3-NITROANILINE
430U	UG/KG	ACENAPHTHENE
1100U	UG/KG	2,4-DINITROPHENOL
1100U	UG/KG	4-NITROPHENOL
430U	UG/KG	DIBENZOFURAN
430U	UG/KG	2,4-DINITROTOLUENE
430U	UG/KG	DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

430U	UG/KG	4-CHLOROPHENYL PHENYL ETHER
430U	UG/KG	FLUORENE
1100U	UG/KG	4-NITROANILINE
1100U	UG/KG	2-METHYL-4,6-DINITROPHENOL
430U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
430UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
430UJ	UG/KG	HEXACHLOROBENZENE (HCB)
1100U	UG/KG	PENTACHLOROPHENOL
100J	UG/KG	PHENANTHRENE
430U	UG/KG	ANTHRACENE
430U	UG/KG	CARBAZOLE
430U	UG/KG	DI-N-BUTYLPHthalate
240J	UG/KG	FLUORANTHENE
240J	UG/KG	PYRENE
430U	UG/KG	BENZYL BUTYL PHTHALATE
430U	UG/KG	3,3'-DICHLOROBENZIDINE
180J	UG/KG	BENZO(A)ANTHRACENE
140J	UG/KG	CHRYSENE
430U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
430U	UG/KG	DI-N-OCTYLPHthalate
270J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
160J	UG/KG	BENZO-A-PYRENE
77J	UG/KG	INDENO (1,2,3-CD) PYRENE
430U	UG/KG	DIBENZO(A,H)ANTHRACENE
98J	UG/KG	BENZO(GHI)PERYLENE
25	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10174 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS01

MD Number: MN07

Media: SOIL

D Number: MN07

Printed by: John McConney

Collected By:

Beginning: 07/09/97 11:35

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
400UJ	UG/KG	PHENOL
400UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
400UJ	UG/KG	2-CHLOROPHENOL
400UJ	UG/KG	1,3-DICHLOROBENZENE
400UJ	UG/KG	1,4-DICHLOROBENZENE
400UJ	UG/KG	1,2-DICHLOROBENZENE
400UJ	UG/KG	2-METHYLPHENOL
400UJ	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
400UJ	UG/KG	(3-AND/OR 4-)METHYLPHENOL
400UJ	UG/KG	N-NITROSODI-N-PROPYLAMINE
400UJ	UG/KG	HEXACHLOROETHANE
400UJ	UG/KG	NITROBENZENE
400UJ	UG/KG	ISOPHORONE
400UJ	UG/KG	2-NITROPHENOL
400UJ	UG/KG	2,4-DIMETHYLPHENOL
400UJ	UG/KG	BIS(2-CHLOROETHOXY)METHANE
400UJ	UG/KG	2,4-DICHLOROPHENOL
400UJ	UG/KG	1,2,4-TRICHLOROBENZENE
400UJ	UG/KG	NAPHTHALENE
400UJ	UG/KG	4-CHLOROANILINE
400UJ	UG/KG	HEXACHLOROBUTADIENE
400UJ	UG/KG	4-CHLORO-3-METHYLPHENOL
400UJ	UG/KG	2-METHYLNAPHTHALENE
400UJ	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
400UJ	UG/KG	2,4,6-TRICHLOROPHENOL
1000UJ	UG/KG	2,4,5-TRICHLOROPHENOL
400UJ	UG/KG	2-CHLORONAPHTHALENE
1000UJ	UG/KG	2-NITROANILINE
400UJ	UG/KG	DIMETHYL PHTHALATE
400UJ	UG/KG	ACENAPHTHYLENE
400UJ	UG/KG	2,6-DINITROTOLUENE
1000UJ	UG/KG	3-NITROANILINE
400UJ	UG/KG	ACENAPHTHENE
1000UJ	UG/KG	2,4-DINITROPHENOL
1000UJ	UG/KG	4-NITROPHENOL
400UJ	UG/KG	DIBENZOFURAN
400UJ	UG/KG	2,4-DINITROTOLUENE
400UJ	UG/KG	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
400UJ	UG/KG	4-CHLOROPHENYL PHENYL ETHER
400UJ	UG/KG	FLUORENE
1000UJ	UG/KG	4-NITROANILINE
1000UJ	UG/KG	2-METHYL-4,6-DINITROPHENOL
400UJ	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
400UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
400UJ	UG/KG	HEXACHLOROBENZENE (HCB)
1000UJ	UG/KG	PENTACHLOROPHENOL
400UJ	UG/KG	PHENANTHRENE
400UJ	UG/KG	ANTHRACENE
400UJ	UG/KG	CARBAZOLE
400UJ	UG/KG	DI-N-BUTYLPHTHALATE
400UJ	UG/KG	FLUORANTHENE
400UJ	UG/KG	PYRENE
400UJ	UG/KG	BENZYL BUTYL PHTHALATE
400UJ	UG/KG	3,3'-DICHLOROBENZIDINE
400UJ	UG/KG	BENZO(A)ANTHRACENE
400UJ	UG/KG	CHRYSENE
400UJ	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
400UJ	UG/KG	DI-N-OCTYLPHTHALATE
400UJ	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
400UJ	UG/KG	BENZO-A-PYRENE
400UJ	UG/KG	INDENO (1,2,3-CD) PYRENE
400UJ	UG/KG	DIBENZO(A,H)ANTHRACENE
400UJ	UG/KG	BENZO(GHI)PERYLENE
18	%	% MOISTURE

EXCESSIVE HOLDING TIME

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10175 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDMW04

MD Number: MN40

Media: GROUNDWA

D Number: MN40

Printed by: John McConney

Collected By:

Beginning: 07/09/97 14:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
10U	UG/L	PHENOL	10U	UG/L	4-CHLOROPHENYL PHENYL ETHER
10UJ	UG/L	BIS(2-CHLOROETHYL) ETHER	10U	UG/L	FLUORENE
10U	UG/L	2-CHLOROPHENOL	25U	UG/L	4-NITROANILINE
10U	UG/L	1,3-DICHLOROBENZENE	25U	UG/L	2-METHYL-4,6-DINITROPHENOL
10U	UG/L	1,4-DICHLOROBENZENE	10U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	UG/L	1,2-DICHLOROBENZENE	10UJ	UG/L	4-BROMOPHENYL PHENYL ETHER
10U	UG/L	2-METHYLPHENOL	10UJ	UG/L	HEXACHLOROBENZENE (HCB)
10U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	25U	UG/L	PENTACHLOROPHENOL
10U	UG/L	(3-AND/OR 4)-METHYLPHENOL	10U	UG/L	PHENANTHRENE
10U	UG/L	N-NITROSODI-N-PROPYLAMINE	10U	UG/L	ANTHRACENE
10U	UG/L	HEXAChLOROETHANE	10U	UG/L	CARBAZOLE
10U	UG/L	NITROBENZENE	10U	UG/L	DI-N-BUTYLPHthalATE
10U	UG/L	ISOPHORONE	10U	UG/L	FLUORANTHENE
10U	UG/L	2-NITROPHENOL	10U	UG/L	PYRENE
10U	UG/L	2,4-DIMETHYLPHENOL	10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE	10U	UG/L	3,3'-DICHLOROBENZIDINE
10U	UG/L	2,4-DICHLOROPHENOL	10U	UG/L	BENZO(A)ANTHRACENE
10U	UG/L	1,2,4-TRICHLOROBENZENE	10U	UG/L	CHRySENE
10U	UG/L	NAPHTHALENE	10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	4-CHLOROANILINE	10U	UG/L	DI-N-OCTYLPHthalATE
10U	UG/L	HEXAChLOROBUTADIENE	10U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
10U	UG/L	4-CHLORO-3-METHYLPHENOL	10U	UG/L	BENZO-A-PYRENE
10U	UG/L	2-METHYLNAPHTHALENE	10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	HEXAChLOROCYCLOPENTADIENE (HCCP)	10U	UG/L	DIBENZO(A,H)ANTHRACENE
10UJ	UG/L	2,4,6-TRICHLOROPHENOL	10U	UG/L	BENZO(GHI)PERYLENE
25U	UG/L	2,4,5-TRICHLOROPHENOL			
10U	UG/L	2-CHLORONAPHTHALENE			
25U	UG/L	2-NITROANILINE			
10U	UG/L	DIMETHYL PHTHALATE			
10U	UG/L	ACENAPHTHYLENE			
10U	UG/L	2,6-DINITROTOLUENE			
25U	UG/L	3-NITROANILINE			
10U	UG/L	ACENAPHTHENE			
25U	UG/L	2,4-DINITROPHENOL			
25U	UG/L	4-NITROPHENOL			
10U	UG/L	DIBENZOFURAN			
10U	UG/L	2,4-DINITROTOLUENE			
10U	UG/L	DIETHYL PHTHALATE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

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0 2 3

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10176 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS03

MD Number: MN09

Media: SOIL

D Number: MN09

Printed by: John McConney

Collected By:

Beginning: 07/09/97 15:50

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
410U	UG/KG	PHENOL
410UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
410U	UG/KG	2-CHLOROPHENOL
410U	UG/KG	1,3-DICHLOROBENZENE
410U	UG/KG	1,4-DICHLOROBENZENE
410U	UG/KG	1,2-DICHLOROBENZENE
410U	UG/KG	2-METHYLPHENOL
410U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
410U	UG/KG	(3-AND/OR 4)-METHYLPHENOL
410U	UG/KG	N-NITROSODI-N-PROPYLAMINE
410U	UG/KG	HEXACHLOROETHANE
410U	UG/KG	NITROBENZENE
410U	UG/KG	ISOPHORONE
410U	UG/KG	2-NITROPHENOL
410U	UG/KG	2,4-DIMETHYLPHENOL
410U	UG/KG	BIS(2-CHLOROETHOXY)METHANE
410U	UG/KG	2,4-DICHLOROPHENOL
410U	UG/KG	1,2,4-TRICHLOROBENZENE
410U	UG/KG	NAPHTHALENE
410U	UG/KG	4-CHLOROANILINE
410U	UG/KG	HEXACHLOROBUTADIENE
410U	UG/KG	4-CHLORO-3-METHYLPHENOL
410U	UG/KG	2-METHYLNAPHTHALENE
410U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
410UJ	UG/KG	2,4,6-TRICHLOROPHENOL
1000U	UG/KG	2,4,5-TRICHLOROPHENOL
410U	UG/KG	2-CHLORONAPHTHALENE
1000U	UG/KG	2-NITROANILINE
410U	UG/KG	DIMETHYL PHTHALATE
410U	UG/KG	ACENAPHTHYLENE
410U	UG/KG	2,6-DINITROTOLUENE
1000U	UG/KG	3-NITROANILINE
410U	UG/KG	ACENAPHTHENE
1000U	UG/KG	2,4-DINITROPHENOL
1000U	UG/KG	4-NITROPHENOL
410U	UG/KG	DIBENZOFURAN
410U	UG/KG	2,4-DINITROTOLUENE
410U	UG/KG	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
410U	UG/KG	4-CHLOROPHENYL PHENYL ETHER
410U	UG/KG	FLUORENE
1000U	UG/KG	4-NITROANILINE
1000U	UG/KG	2-METHYL-4,6-DINITROPHENOL
410U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
410UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
410UJ	UG/KG	HEXACHLOROBENZENE (HCB)
1000U	UG/KG	PENTACHLOROPHENOL
410U	UG/KG	PHENANTHRENE
410U	UG/KG	ANTHRACENE
410U	UG/KG	CARBAZOLE
410U	UG/KG	DI-N-BUTYLPHTHALATE
57J	UG/KG	FLUORANTHENE
85J	UG/KG	PYRENE
410U	UG/KG	BENZYL BUTYL PHTHALATE
410U	UG/KG	3,3'-DICHLOROBENZIDINE
410U	UG/KG	BENZO(A)ANTHRACENE
49J	UG/KG	CHRYSENE
410U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
410U	UG/KG	DI-N-OCTYLPHTHALATE
120J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
64J	UG/KG	BENZO-A-PYRENE
410U	UG/KG	INDENO (1,2,3-CD) PYRENE
410U	UG/KG	DIBENZO(A,H)ANTHRACENE
57J	UG/KG	BENZO(GHI)PERYLENE
20	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100234

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10176 FY 1997 Project: 97-0292

Printed by: John McConney

MISCELLANEOUS COMPOUNDS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Collected By:

Program: NSF

Case Number: 25558

Beginning: 07/09/97 15:50

Id/Station: BDSS03

MD Number: MN09

Ending:

Media: SOIL

D Number: MN09

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

200JN	UG/KG	OCTAHYDROTRIMETHYL (METHYLETHYL) PHENANTHRENOL
10000J	UG/KG	9 UNIDENTIFIED COMPOUNDS
3000J	UG/KG	ALKANES

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.
K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.
R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.
C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1 10 0235

Sample 10177 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Collected By:

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Beginning: 07/09/97 15:15

Program: NSF

Case Number: 25558

Ending:

Id/Station: BDSS13

MD Number: MN19

Inorg Contractor: SENTIN

Media: SOIL

D Number: MN19

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
420U	UG/KG	PHENOL
420UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
420U	UG/KG	2-CHLOROPHENOL
420U	UG/KG	1,3-DICHLOROBENZENE
420U	UG/KG	1,4-DICHLOROBENZENE
420U	UG/KG	1,2-DICHLOROBENZENE
420U	UG/KG	2-METHYLPHENOL
420U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
420U	UG/KG	(3-AND/OR 4-)METHYLPHENOL
420U	UG/KG	N-NITROSO-DI-N-PROPYLAMINE
420U	UG/KG	HEXACHLOROETHANE
420U	UG/KG	NITROBENZENE
420U	UG/KG	ISOPHORONE
420U	UG/KG	2-NITROPHENOL
420U	UG/KG	2,4-DIMETHYLPHENOL
420U	UG/KG	BIS(2-CHLOROETHOXY)METHANE
420U	UG/KG	2,4-DICHLOROPHENOL
420U	UG/KG	1,2,4-TRICHLOROBENZENE
420U	UG/KG	NAPHTHALENE
420U	UG/KG	4-CHLOROANILINE
420U	UG/KG	HEXACHLOROBUTADIENE
420U	UG/KG	4-CHLORO-3-METHYLPHENOL
420U	UG/KG	2-METHYLNAPHTHALENE
420U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
420UJ	UG/KG	2,4,6-TRICHLOROPHENOL
1000U	UG/KG	2,4,5-TRICHLOROPHENOL
420U	UG/KG	2-CHLORONAPHTHALENE
1000U	UG/KG	2-NITROANILINE
420U	UG/KG	DIMETHYL PHTHALATE
420U	UG/KG	ACENAPHTHYLENE
420U	UG/KG	2,6-DINITROTOLUENE
1000U	UG/KG	3-NITROANILINE
420U	UG/KG	ACENAPHTHENE
1000U	UG/KG	2,4-DINITROPHENOL
1000U	UG/KG	4-NITROPHENOL
420U	UG/KG	DIBENZOFURAN
420U	UG/KG	2,4-DINITROTOLUENE
420U	UG/KG	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
420U	UG/KG	4-CHLOROPHENYL PHENYL ETHER
420U	UG/KG	FLUORENE
1000U	UG/KG	4-NITROANILINE
1000U	UG/KG	2-METHYL-4,6-DINITROPHENOL
420U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
420UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
420UJ	UG/KG	HEXACHLOROBENZENE (HCB)
1000U	UG/KG	PENTACHLOROPHENOL
420U	UG/KG	PHENANTHRENE
420U	UG/KG	ANTHRACENE
420U	UG/KG	CARBAZOLE
420U	UG/KG	DI-N-BUTYLPHthalate
92J	UG/KG	FLUORANTHENE
95J	UG/KG	PYRENE
420U	UG/KG	BENZYL BUTYL PHTHALATE
420U	UG/KG	3,3'-DICHLOROBENZIDINE
420U	UG/KG	BENZO(A)ANTHRACENE
57J	UG/KG	CHRYSENE
420U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
420U	UG/KG	DI-N-OCTYLPHthalate
110J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
62J	UG/KG	BENZO-A-PYRENE
420U	UG/KG	INDENO (1,2,3-CD) PYRENE
420U	UG/KG	DIBENZO(A,H)ANTHRACENE
43J	UG/KG	BENZO(GHI)PERYLENE
21	%	% MOISTURE

Sample 10178 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS16

MD Number: MN22

Media: SOIL

D Number: MN22

Collected By:

Beginning: 07/09/97 16:10

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
410U	UG/KG	PHENOL
410UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
410U	UG/KG	2-CHLOROPHENOL
410U	UG/KG	1,3-DICHLOROBENZENE
410U	UG/KG	1,4-DICHLOROBENZENE
410U	UG/KG	1,2-DICHLOROBENZENE
410U	UG/KG	2-METHYLPHENOL
410U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
410U	UG/KG	(3-AND/OR 4-)METHYLPHENOL
410U	UG/KG	N-NITROSODI-N-PROPYLAMINE
410U	UG/KG	HEXACHLOROETHANE
410U	UG/KG	NITROBENZENE
410U	UG/KG	ISOPHORONE
410U	UG/KG	2-NITROPHENOL
410U	UG/KG	2,4-DIMETHYLPHENOL
410U	UG/KG	BIS(2-CHLOROETHOXY)METHANE
410U	UG/KG	2,4-DICHLOROPHENOL
410U	UG/KG	1,2,4-TRICHLOROBENZENE
410U	UG/KG	NAPHTHALENE
410U	UG/KG	4-CHLOROANILINE
410U	UG/KG	HEXACHLOROBUTADIENE
410U	UG/KG	4-CHLORO-3-METHYLPHENOL
410U	UG/KG	2-METHYLNAPHTHALENE
410U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
410UJ	UG/KG	2,4,6-TRICHLOROPHENOL
1000U	UG/KG	2,4,5-TRICHLOROPHENOL
410U	UG/KG	2-CHLORONAPHTHALENE
1000U	UG/KG	2-NITROANILINE
410U	UG/KG	DIMETHYL PHTHALATE
410U	UG/KG	ACENAPHTHYLENE
410U	UG/KG	2,6-DINITROTOLUENE
1000U	UG/KG	3-NITROANILINE
410U	UG/KG	ACENAPHTHENE
1000U	UG/KG	2,4-DINITROPHENOL
1000U	UG/KG	4-NITROPHENOL
410U	UG/KG	DIBENZOFURAN
410U	UG/KG	2,4-DINITROTOLUENE
410U	UG/KG	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
410U	UG/KG	4-CHLOROPHENYL PHENYL ETHER
410U	UG/KG	FLUORENE
1000U	UG/KG	4-NITROANILINE
1000U	UG/KG	2-METHYL-4,6-DINITROPHENOL
410U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
410UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
410UJ	UG/KG	HEXACHLOROBENZENE (HCB)
1000U	UG/KG	PENTACHLOROPHENOL
410U	UG/KG	PHENANTHRENE
410U	UG/KG	ANTHRACENE
410U	UG/KG	CARBAZOLE
410U	UG/KG	DI-N-BUTYLPHthalate
410U	UG/KG	FLUORANTHENE
410U	UG/KG	PYRENE
410U	UG/KG	BENZYL BUTYL PHTHALATE
410U	UG/KG	3,3'-DICHLOROBENZIDINE
410U	UG/KG	BENZO(A)ANTHRACENE
410U	UG/KG	CHRYSENE
670	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
410U	UG/KG	DI-N-OCTYLPHthalate
410U	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
410U	UG/KG	BENZO-A-PYRENE
410U	UG/KG	INDENO (1,2,3-CD) PYRENE
410U	UG/KG	DIBENZO(A,H)ANTHRACENE
410U	UG/KG	BENZO(GHI)PERYLENE
20	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

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EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10178 FY 1997 Project: 97-0292

Printed by: John McConney

MISCELLANEOUS COMPOUNDS

Collected By:

Facility: BROWN'S DUMP

Beginning: 07/09/97 16:10

Program: NSF

Ending:

Id/Station: BDSS16

JACKSONVILLE, FL

Inorg Contractor: SENTIN

Media: SOIL

Case Number: 25558

Org Contractor: COMPU

MD Number: MN22

D Number: MN22

RESULTS	UNITS	ANALYTE
600JN	UG/KG	METHYLENEBIS (CHLORO) BENZENAMINE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10179 FY 1997 Project: 97-0292

Printed by: John McConney

EXTRACTABLES SCAN

Collected By:

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Beginning: 07/09/97 16:40

Program: NSF

Case Number: 25558

Ending:

Id/Station: BDSS02

MD Number: MN08

Inorg Contractor: SENTIN

Media: SOIL

D Number: MN08

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
360U	UG/KG	PHENOL
360UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
360U	UG/KG	2-CHLOROPHENOL
360U	UG/KG	1,3-DICHLOROBENZENE
360U	UG/KG	1,4-DICHLOROBENZENE
360U	UG/KG	1,2-DICHLOROBENZENE
360U	UG/KG	2-METHYLPHENOL
360U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
360U	UG/KG	(3-AND/OR 4-)METHYLPHENOL
360U	UG/KG	N-NITROSODI-N-PROPYLAMINE
360U	UG/KG	HEXACHLOROETHANE
360U	UG/KG	NITROBENZENE
360U	UG/KG	ISOPHORONE
360U	UG/KG	2-NITROPHENOL
360U	UG/KG	2,4-DIMETHYLPHENOL
360U	UG/KG	BIS(2-CHLOROETHOXY)METHANE
360U	UG/KG	2,4-DICHLOROPHENOL
360U	UG/KG	1,2,4-TRICHLOROBENZENE
360U	UG/KG	NAPHTHALENE
360U	UG/KG	4-CHLOROANILINE
360U	UG/KG	HEXACHLOROBUTADIENE
360U	UG/KG	4-CHLORO-3-METHYLPHENOL
360U	UG/KG	2-METHYLNAPHTHALENE
360U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
360UJ	UG/KG	2,4,6-TRICHLOROPHENOL
920U	UG/KG	2,4,5-TRICHLOROPHENOL
360U	UG/KG	2-CHLORONAPHTHALENE
920U	UG/KG	2-NITROANILINE
360U	UG/KG	DIMETHYL PHTHALATE
360U	UG/KG	ACENAPHTHYLENE
360U	UG/KG	2,6-DINITROTOLUENE
920U	UG/KG	3-NITROANILINE
360U	UG/KG	ACENAPHTHENE
920U	UG/KG	2,4-DINITROPHENOL
920U	UG/KG	4-NITROPHENOL
360U	UG/KG	DIBENZOFURAN
360U	UG/KG	2,4-DINITROTOLUENE
360U	UG/KG	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
360U	UG/KG	4-CHLOROPHENYL PHENYL ETHER
360U	UG/KG	FLUORENE
920U	UG/KG	4-NITROANILINE
920U	UG/KG	2-METHYL-4,6-DINITROPHENOL
360U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
360UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
360UJ	UG/KG	HEXACHLOROBENZENE (HCB)
920U	UG/KG	PENTACHLOROPHENOL
370	UG/KG	PHENANTHRENE
67J	UG/KG	ANTHRACENE
50J	UG/KG	CARBAZOLE
360U	UG/KG	DI-N-BUTYLPHthalate
1200	UG/KG	FLUORANTHENE
850J	UG/KG	PYRENE
360U	UG/KG	BENZYL BUTYL PHTHALATE
360U	UG/KG	3,3'-DICHLOROBENZIDINE
540	UG/KG	BENZO(A)ANTHRACENE
470	UG/KG	CHRYSENE
360U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
360U	UG/KG	DI-N-OCTYLPHthalate
830J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
450	UG/KG	BENZO-A-PYRENE
220J	UG/KG	INDENO (1,2,3-CD) PYRENE
360U	UG/KG	DIBENZO(A,H)ANTHRACENE
230J	UG/KG	BENZO(GHI)PERYLENE
10	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit. R-qc indicates that data unusable, compound may or may not be present, resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10179 FY 1997 Project: 97-0292

MISCELLANEOUS COMPOUNDS

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Case Number: 25558

Id/Station: BDSS02

MD Number: MN08

Media: SOIL

D Number: MN08

Printed by: John McConney

Collected By:

Beginning: 07/09/97 16:40

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

80JN	UG/KG	BENZOFLUORANTHENE (NOT B OR K)
500JN	UG/KG	BENZOPYRENE (NOT A, 2 ISOMERS)

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1 10 024U

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

PRINTED 09/08/97 13:21

Sample 10180 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS05

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN11

D Number: MN11

Printed by: John McConney

Collected By:

Beginning: 07/09/97 17:00

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS UNITS ANALYTE

360U UG/KG PHENOL
 360UJ UG/KG BIS(2-CHLOROETHYL) ETHER
 360U UG/KG 2-CHLOROPHENOL
 360U UG/KG 1,3-DICHLOROBENZENE
 360U UG/KG 1,4-DICHLOROBENZENE
 360U UG/KG 1,2-DICHLOROBENZENE
 360U UG/KG 2-METHYLPHENOL
 360U UG/KG BIS(2-CHLOROISOPROPYL) ETHER
 360U UG/KG (3-AND/OR 4)-METHYLPHENOL
 360U UG/KG N-NITROSODI-N-PROPYLAMINE
 360U UG/KG HEXACHLOROETHANE
 360U UG/KG NITROBENZENE
 360U UG/KG ISOPHORONE
 360U UG/KG 2-NITROPHENOL
 360U UG/KG 2,4-DIMETHYLPHENOL
 360U UG/KG BIS(2-CHLOROETHOXY)METHANE
 360U UG/KG 2,4-DICHLOROPHENOL
 360U UG/KG 1,2,4-TRICHLOROBENZENE
 360U UG/KG NAPHTHALENE
 360U UG/KG 4-CHLOROANILINE
 360U UG/KG HEXACHLOROBUTADIENE
 360U UG/KG 4-CHLORO-3-METHYLPHENOL
 360U UG/KG 2-METHYLNAPHTHALENE
 360U UG/KG HEXACHLOROCYCLOPENTADIENE (HCCP)
 360UJ UG/KG 2,4,6-TRICHLOROPHENOL
 910U UG/KG 2,4,5-TRICHLOROPHENOL
 360U UG/KG 2-CHLORONAPHTHALENE
 910U UG/KG 2-NITROANILINE
 360U UG/KG DIMETHYL PHTHALATE
 360U UG/KG ACENAPHTHYLENE
 360U UG/KG 2,6-DINITROTOLUENE
 910U UG/KG 3-NITROANILINE
 360U UG/KG ACENAPHTHENE
 910U UG/KG 2,4-DINITROPHENOL
 910U UG/KG 4-NITROPHENOL
 360U UG/KG DIBENZOFURAN
 360U UG/KG 2,4-DINITROTOLUENE
 360U UG/KG DIETHYL PHTHALATE

RESULTS UNITS ANALYTE

360U UG/KG 4-CHLOROPHENYL PHENYL ETHER
 360U UG/KG FLUORENE
 910U UG/KG 4-NITROANILINE
 910U UG/KG 2-METHYL-4,6-DINITROPHENOL
 360U UG/KG N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
 360UJ UG/KG 4-BROMOPHENYL PHENYL ETHER
 360UJ UG/KG HEXACHLOROBENZENE (HCB)
 910U UG/KG PENTACHLOROPHENOL
 360U UG/KG PHENANTHRENE
 360U UG/KG ANTHRACENE
 360U UG/KG CARBAZOLE
 360U UG/KG DI-N-BUTYLPHTHALATE
 41J UG/KG FLUORANTHENE
 44J UG/KG PYRENE
 360U UG/KG BENZYL BUTYL PHTHALATE
 360U UG/KG 3,3'-DICHLOROBENZIDINE
 360U UG/KG BENZO(A)ANTHRACENE
 360U UG/KG CHRYSENE
 360U UG/KG BIS(2-ETHYLHEXYL) PHTHALATE
 360U UG/KG DI-N-OCTYLPHTHALATE
 39J UG/KG BENZO(B AND/OR K)FLUORANTHENE
 360U UG/KG BENZO-A-PYRENE
 360U UG/KG INDENO (1,2,3-CD) PYRENE
 360U UG/KG DIBENZO(A,H)ANTHRACENE
 360U UG/KG BENZO(GHI)PERYLENE
 9 % % MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 11760 FY 1997 Project: 97-0292

EXTRACTABLES SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS14

Media: SOIL

JACKSONVILLE, FL

Case Number: 25558

MD Number: MN20

D Number: MN20

Printed by: John McConney

Collected By:

Beginning: 07/09/97 14:15

Ending:

Inorg Contractor: SENTIN

Org Contractor: COMPU

RESULTS	UNITS	ANALYTE
380UJ	UG/KG	PHENOL
380UJ	UG/KG	BIS(2-CHLOROETHYL) ETHER
380UJ	UG/KG	2-CHLOROPHENOL
380UJ	UG/KG	1,3-DICHLOROBENZENE
380UJ	UG/KG	1,4-DICHLOROBENZENE
380UJ	UG/KG	1,2-DICHLOROBENZENE
380UJ	UG/KG	2-METHYLPHENOL
380UJ	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
380UJ	UG/KG	(3-AND/OR 4-)METHYLPHENOL
380UJ	UG/KG	N-NITROSODI-N-PROPYLAMINE
380UJ	UG/KG	HEXACHLOROETHANE
380UJ	UG/KG	NITROBENZENE
380UJ	UG/KG	ISOPHORONE
380UJ	UG/KG	2-NITROPHENOL
380UJ	UG/KG	2,4-DIMETHYLPHENOL
380UJ	UG/KG	BIS(2-CHLOROETHOXY)METHANE
380UJ	UG/KG	2,4-DICHLOROPHENOL
380UJ	UG/KG	1,2,4-TRICHLOROBENZENE
380UJ	UG/KG	NAPHTHALENE
380UJ	UG/KG	4-CHLOROANILINE
380UJ	UG/KG	HEXACHLOROBUTADIENE
380UJ	UG/KG	4-CHLORO-3-METHYLPHENOL
380UJ	UG/KG	2-METHYLNAPHTHALENE
380UJ	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
380UJ	UG/KG	2,4,6-TRICHLOROPHENOL
950UJ	UG/KG	2,4,5-TRICHLOROPHENOL
380UJ	UG/KG	2-CHLORONAPHTHALENE
950UJ	UG/KG	2-NITROANILINE
380UJ	UG/KG	DIMETHYL PHTHALATE
380UJ	UG/KG	ACENAPHTHYLENE
380UJ	UG/KG	2,6-DINITROTOLUENE
950UJ	UG/KG	3-NITROANILINE
380UJ	UG/KG	ACENAPHTHENE
950UJ	UG/KG	2,4-DINITROPHENOL
950UJ	UG/KG	4-NITROPHENOL
380UJ	UG/KG	DIBENZOFURAN
380UJ	UG/KG	2,4-DINITROTOLUENE
380UJ	UG/KG	DIETHYL PHTHALATE

RESULTS	UNITS	ANALYTE
380UJ	UG/KG	4-CHLOROPHENYL PHENYL ETHER
380UJ	UG/KG	FLUORENE
950UJ	UG/KG	4-NITROANILINE
950UJ	UG/KG	2-METHYL-4,6-DINITROPHENOL
380UJ	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
380UJ	UG/KG	4-BROMOPHENYL PHENYL ETHER
380UJ	UG/KG	HEXACHLOROBENZENE (HCB)
950UJ	UG/KG	PENTACHLOROPHENOL
39J	UG/KG	PHENANTHRENE
380UJ	UG/KG	ANTHRACENE
380UJ	UG/KG	CARBAZOLE
380UJ	UG/KG	DI-N-BUTYLPHthalate
88J	UG/KG	FLUORANTHENE
70J	UG/KG	PYRENE
380UJ	UG/KG	BENZYL BUTYL PHTHALATE
380UJ	UG/KG	3,3'-DICHLOROBENZIDINE
380UJ	UG/KG	BENZO(A)ANTHRACENE
43J	UG/KG	CHRYSENE
380UJ	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
380UJ	UG/KG	DI-N-OCTYLPHthalate
87J	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
380UJ	UG/KG	BENZO-A-PYRENE
380UJ	UG/KG	INDENO (1,2,3-CD) PYRENE
380UJ	UG/KG	DIBENZO(A,H)ANTHRACENE
380UJ	UG/KG	BENZO(GHI)PERYLENE
13	%	% MOISTURE

EXCESSIVE HOLDING TIME

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 11760 FY 1997 Project: 97-0292

Printed by: John McConney

MISCELLANEOUS COMPOUNDS

Collected By:

Facility: BROWN'S DUMP

Beginning: 07/09/97 14:15

Program: NSF

Ending:

Id/Station: BDSS14

JACKSONVILLE, FL

Inorg Contractor: SENTIN

Media: SOIL

Case Number: 25558

Org Contractor: COMPU

MD Number: MN20

D Number: MN20

RESULTS UNITS ANALYTE

5000J	UG/KG	6 UNIDENTIFIED COMPOUNDS
600J	UG/KG	ALKANES

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY****Region 4**

**Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720**

MEMORANDUM

Date: 09/12/97

Subject: Results of DIOXINS ORGANIC Sample Analysis

97-0293 BROWN'S DUMP
JACKSONVILLE, FL

From: Gary Bennett

To: PAULA MACLAREN

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

ATTACHMENT

DATA QUALIFIER REPORT

Project No.: 97-0293

Site Name: Brown's Dump

<u>Affected Samples</u>	<u>Analyte</u>	<u>Flag Used</u>	<u>Reason</u>
All	Total congeners	J	Assumed Resp. Factors/ Cal. Stds not available for all congeners
10184, 10185,	TCDD	R	Unacceptable PE
10186, 10188,			Sample performance
10189, 10190,			
10191, 10192,			
10193, 10196,			
10197, 10198,			
10199			
10187, 10194,	TCDD	J	Unacceptable PE
10195			Sample performance
10184	All-HxCDD, 2,3,4,6,7,8- HxCDF	J	1
10185	OCDF	J	1
10186	HxCDD, 1,2,3,7,8-PeCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, OCDF	J	1
10187	PeCDD, 2,3,4,7,8-PeCDF, 2,3,4,6,7,8-HxCDF	J	1
10188	1,2,3,4,7,8-HxCDD, 2,3,4,7,8-PeCDF	J	1
10189	OCDD	J	2
	PeCDD, 1,2,3,4,7,8-HxCDD	J	1
10190	1,2,3,4,7,8,9-HpCDF	J	1
10191	1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,7,8,9-HpCDF 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD	J	High IS recovery (non-detect in dilution)
	TCDF	J	1 (taken from dilution because of IS recovery) Low IS recovery on conf. column

DATA QUALIFIER REPORTProject No.: 97-0293Site Name: Brown's Dump

<u>Affected Samples</u>	<u>Analyte</u>	<u>Flag Used</u>	<u>Reason</u>
10193	OCDF	J	1
10194	OCDD	J	2
	2,3,4,7,8-PeCDF	J	1
10196	TCDF	UJ	low IS recovery, conf. column
	PeCDD, 1,2,3,4,7,8-HxCDD,	J	1
	2,3,4,7,8-PeCDF,		.
	1,2,3,6,7,8-HxCDF,		.
	1,2,3,4,7,8,9-HpCDF		.
10197	OCDD	J	2
	TCDF	J	Primary column result not confirmed by second column
	PeCDD, 1,2,3,4,7,8-HxCDD,	J	1
	2,3,4,7,8-PeCDF,		.
	1,2,3,4,7,8,9-HpCDF		.
10198	PeCDD, 2,3,4,7,8-PeCDF,	J	1
	1,2,3,4,7,8,9-HpCDF		.
10199	OCDD	J	2
	1,2,3,7,8,9-HxCDD,	J	1
	2,3,4,6,7,8-HxCDF		.

TEQ's : The Toxic Equivalent (TEQ) represents a summation of values from the individual equivalents that are calculated for each of the 2,3,7,8 containing isomers. If 10% or greater of the TEQ value was from data considered to be estimated, then the TEQ is reported as estimated (J flag).

Abbreviation Key:

TCDD = Tetrachlorodibenzodioxin	TCDF = Tetrachlorodibenzofuran
PeCDD = Pentachlorodibenzodioxin	PeCDF = Pentachlorodibenzofuran
HxCDD = Hexachlorodibenzodioxin	HxCDF = Hexachlorodibenzofuran
HpCDD = Heptachlorodibenzodioxin	HpCDF = Heptachlorodibenzofuran
OCDD = Octachlorodibenzodioxin	OCDF = Octachlorodibenzofuran
IS = Internal Standard	

Reason Codes:

1. Results lower than the minimum quantitation limit
2. Results higher than the maximum calibration limit

Sample 10184 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS06

Media: SOIL

SAS Number:DIOX

D Number: SS06

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/08/97 11:40

Ending:

RESULTS	UNITS	ANALYTE
2.5UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
1.4J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
6.1U	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
6.1UJ	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
0.9J	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
1.9J	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
1.5J	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
21J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
46	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
100J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
490	NG/KG	OCTACHLORODIBENZODIOXIN
2.5U	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
24J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
24	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
6.1U	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
79J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
6.1U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
10	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
6.1U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
2.4J	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
36J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
15	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
6.1U	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
34J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
21	NG/KG	OCTACHLORODIBENZOFURAN
4.0J	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
18	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed hv noms: 1 when no value is reported. see chlordane constituents 2 constituents or metabolites of technical chlordane

Sample 10185 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS10

Media: SOIL

SAS Number:DIOX

D Number: SS10

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/08/97 11:10

Ending:

RESULTS	UNITS	ANALYTE
2.1UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
12J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
5.3U	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
5.3UJ	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
5.3U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
5.3U	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
5.3U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
5.3UJ	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
25	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
54J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
170	NG/KG	OCTACHLORODIBENZODIOXIN
2.1U	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
51J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
31	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
5.3U	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
160J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
5.3U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
10U	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
5.3U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
5.3U	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
57J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
20U	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
5.3U	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
5.3UJ	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
9.1J	NG/KG	OCTACHLORODIBENZOFURAN
2.0	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
6	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by noms: 1 when no value is reported. see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10186 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS09

Media: SOIL

SAS Number:DIOX

D Number: SS09

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/08/97 12:10

Ending:

RESULTS	UNITS	ANALYTE
2.3UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
2.3UJ	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
5.7J	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
5.7UJ	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
5.7U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
5.7U	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
5.7U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
5.7UJ	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
4.9J	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
11J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
24	NG/KG	OCTACHLORODIBENZODIOXIN
2.3U	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
1.2J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
2.7J	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
5.7U	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
13J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
5.7U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
1.2J	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
5.7U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
5.7U	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
5.3J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
2.3J	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
5.7U	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
3.5J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
3.1J	NG/KG	OCTACHLORODIBENZOFURAN
0.4J	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
12	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc Indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

11000249

Sample 10187 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS07

Media: SOIL

D Number: SS07

SAS Number:DIOX

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/08/97 12:30

Ending:

RESULTS	UNITS	ANALYTE
1.9J	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
9.7J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
4.8J	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
9.5J	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
5.5U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
8.2	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
5.5U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
28J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
99	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
200J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
530	NG/KG	OCTACHLORODIBENZODIOXIN
3.6	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
38J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
19	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
1.2J	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
99J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
20U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
16	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
5.5U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
2.9J	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
49J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
44	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
5.5U	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
68J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
40	NG/KG	OCTACHLORODIBENZOFURAN
11J	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
10	%	% MOISTURE

1100250

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10188 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS04

Media: SOIL

SAS Number:DIOX

D Number: SS04

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 10:45

Ending:

RESULTS	UNITS	ANALYTE
2.3UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
4.3J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
5.7U	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
5.7U	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
2.7J	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
14	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
10	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
140J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
270	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
540J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
1700	NG/KG	OCTACHLORODIBENZODIOXIN
4.6	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
38J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
17	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
1.9J	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
170J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
60U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
15	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
5.7U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
9.6	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
110J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
97	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
5.7U	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
98J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
100	NG/KG	OCTACHLORODIBENZOFURAN
13	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
12	%	% MOISTURE

1100251

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10189 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS08

Media: SOIL

SAS Number:DIOX

D Number: SS08

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 11:00

Ending:

RESULTS	UNITS	ANALYTE
2.1UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
14J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
3.0J	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
11J	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
3.1J	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
16	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
11	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
150J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
350	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
710J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
2500J	NG/KG	OCTACHLORODIBENZODIOXIN
5.7	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
51J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
22	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
5.8	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
230J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
70U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
20U	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
5.3U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
11	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
89J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
120	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
5.3U	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
190J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
76	NG/KG	OCTACHLORODIBENZOFURAN
17J	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
6	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100252

Sample 10190 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

Program: NSF

Id/Station: BDSS12

Media: SOIL

JACKSONVILLE, FL

SAS Number:DIOX

D Number: SS12

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 12:00

Ending:

RESULTS	UNITS	ANALYTE
2.3UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
20J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
5.7U	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
19J	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
29	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
9.6	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
9.7	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
130J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
180	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
350J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
980	NG/KG	OCTACHLORODIBENZODIOXIN
14	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
160J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
17	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
9.5	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
210J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
70U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
5.7U	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
5.7U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
5.7U	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
97J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
59	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
2.1J	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
61J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
78	NG/KG	OCTACHLORODIBENZOFURAN
15	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
13	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

0253

Sample 10191 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS15

Media: SOIL

SAS Number:DIOX

D Number: SS15

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 12:25

Ending:

RESULTS	UNITS	ANALYTE
2.6UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
58J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
8U	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
11J	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
56J	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
38J	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
36J	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
290J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
960	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
1800J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
6200	NG/KG	OCTACHLORODIBENZODIOXIN
21J	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
410J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
270	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
58	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
1400J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
66U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
100J	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
66U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
9.2J	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
200J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
340	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
12J	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
340J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
360	NG/KG	OCTACHLORODIBENZOFURAN
88J	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
24	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1100254

Sample 10192 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS11

Media: SOIL

SAS Number:DIOX

D Number: SS11

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 11:45

Ending:

RESULTS	UNITS	ANALYTE
2.8UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
260J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
40U	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
260J	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
410	NG/KG	1,2,3,4,7,8-HEXAChLORODIBENZODIOXIN
170	NG/KG	1,2,3,6,7,8-HEXAChLORODIBENZODIOXIN
180	NG/KG	1,2,3,7,8,9-HEXAChLORODIBENZODIOXIN
2300J	NG/KG	HEXAChLORODIBENZODIOXIN (TOTAL)
2600	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
4600J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
17000	NG/KG	OCTACHLORODIBENZODIOXIN
57	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
410J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
240	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
31	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
1100J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
240U	NG/KG	1,2,3,4,7,8-HEXAChLORODIBENZOFURAN
7.0U	NG/KG	1,2,3,6,7,8-HEXAChLORODIBENZOFURAN
7.0U	NG/KG	1,2,3,7,8,9-HEXAChLORODIBENZOFURAN
7.0U	NG/KG	2,3,4,6,7,8-HEXAChLORODIBENZOFURAN
780J	NG/KG	HEXAChLORODIBENZOFURAN (TOTAL)
780	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
34	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
810J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
2800	NG/KG	OCTACHLORODIBENZOFURAN
160	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
28	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by acms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10193 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS01

Media: SOIL

SAS Number:DIOX

D Number: SS01

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 16:35

Ending:

RESULTS	UNITS	ANALYTE
2.5UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
4.8J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
6.2U	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
6.2UJ	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
6.2U	NG/KG	1,2,3,4,7,8-HEXAChLORODIBENZODIOXIN
6.2U	NG/KG	1,2,3,6,7,8-HEXAChLORODIBENZODIOXIN
6.2U	NG/KG	1,2,3,7,8,9-HEXAChLORODIBENZODIOXIN
15J	NG/KG	HEXAChLORODIBENZODIOXIN (TOTAL)
15	NG/KG	1,2,3,4,6,7,8-HEPTAChLORODIBENZODIOXIN
33J	NG/KG	HEPTAChLORODIBENZODIOXIN (TOTAL)
130	NG/KG	OCTAChLORODIBENZODIOXIN
2.5U	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
11J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
6.2U	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
6.2U	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
3.6J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
6.2U	NG/KG	1,2,3,4,7,8-HEXAChLORODIBENZOFURAN
6.2U	NG/KG	1,2,3,6,7,8-HEXAChLORODIBENZOFURAN
6.2U	NG/KG	1,2,3,7,8,9-HEXAChLORODIBENZOFURAN
6.2U	NG/KG	2,3,4,6,7,8-HEXAChLORODIBENZOFURAN
4.6J	NG/KG	HEXAChLORODIBENZOFURAN (TOTAL)
6.2U	NG/KG	1,2,3,4,6,7,8-HEPTAChLORODIBENZOFURAN
6.2U	NG/KG	1,2,3,4,7,8,9-HEPTAChLORODIBENZOFURAN
6.2UJ	NG/KG	HEPTAChLORODIBENZOFURAN (TOTAL)
5.0J	NG/KG	OCTAChLORODIBENZOFURAN
0.3	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
19	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

11002356

Sample 10194 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS03

Media: SOIL

SAS Number:DIOX

D Number: SS03

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 15:50

Ending:

RESULTS	UNITS	ANALYTE
4.2J	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
57J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
12	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
82J	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
13	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
41	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
47	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
580J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
1000	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
2200J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
7300J	NG/KG	OCTACHLORODIBENZODIOXIN
14	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
130J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
6.4U	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
4.5J	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
240J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
6.4U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
20U	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
6.4U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
8.1	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
130J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
140	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
6.4U	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
360J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
390	NG/KG	OCTACHLORODIBENZOFURAN
44J	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
22	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-rc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

1000257

Sample 10195 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS13

Media: SOIL

SAS Number:DIOX

D Number: SS13

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 15:15

Ending:

RESULTS	UNITS	ANALYTE
7.0J	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
300J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
51	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
350J	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
110	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
200	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
240	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
1900J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
3300	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
6000J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
23000	NG/KG	OCTACHLORODIBENZODIOXIN
41	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
650J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
230	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
59	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
1200J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
240U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
6.2U	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
6.2U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
39	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
930J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
1100	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
54	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
1100J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
2900	NG/KG	OCTACHLORODIBENZOFURAN
210	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
19	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10196 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS14

Media: SOIL

SAS Number:DIOX

D Number: SS14

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 14:15

Ending:

RESULTS	UNITS	ANALYTE
2.3UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
8.9J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
1.5J	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
6.1J	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
3.5J	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
9.1	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
7.7	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
63J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
230	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
390J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
1500	NG/KG	OCTACHLORODIBENZODIOXIN
3UJ	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
13J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
8.5	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
3.1J	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
85J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
20U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
3.6J	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
5.8U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
5.8	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
99J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
220	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
2.8J	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
220J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
130	NG/KG	OCTACHLORODIBENZOFURAN
12J	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
13	%	% MOISTURE

110

0259

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10197 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS16

Media: SOIL

SAS Number:DIOX

D Number: SS16

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 16:10

Ending:

RESULTS	UNITS	ANALYTE
2.4UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
14J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
1.8J	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
9.1J	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
4.6J	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
16	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
10	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
100J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
440	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
770J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
3500J	NG/KG	OCTACHLORODIBENZODIOXIN
5.2J	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
32J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
9.2	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
2.5J	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
95J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
30U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
7.7	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
6.0U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
6.4	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
120J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
290	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
3.7J	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
290J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
200	NG/KG	OCTACHLORODIBENZOFURAN
19J	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
17	%	% MOISTURE

1
10
02
60

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10198 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS02

Media: SOIL

SAS Number:DIOX

D Number: SS02

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 16:40

Ending:

RESULTS	UNITS	ANALYTE
2.2UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
9.0J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
2.5J	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
11J	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
6U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
18	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
15	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
150J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
310	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
580J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
1600	NG/KG	OCTACHLORODIBENZODIOXIN
4.5	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
80J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
10U	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
3.4J	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
240J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
50U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
8.5	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
5.6U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
14	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
220J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
110	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
3.7J	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
110J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
120	NG/KG	OCTACHLORODIBENZOFURAN
15J	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
11	%	% MOISTURE

1 10

0261

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by qcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 10199 FY 1997 Project: 97-0293

DIOXIN SCAN

Facility: BROWN'S DUMP

JACKSONVILLE, FL

Program: NSF

Id/Station: BDSS05

Media: SOIL

SAS Number:DIOX

D Number: SS05

Org Contractor: SWOK

Printed by: John McConney

Collected By:

Beginning: 07/09/97 17:00

Ending:

RESULTS	UNITS	ANALYTE
2.2UR	NG/KG	2,3,7,8-TETRACHLORODIBENZODIOXIN
2.9J	NG/KG	TETRACHLORODIBENZODIOXIN (TOTAL)
5.4U	NG/KG	1,2,3,7,8-PENTACHLORODIBENZODIOXIN
1.3J	NG/KG	PENTACHLORODIBENZODIOXIN (TOTAL)
5.4U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN
15	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN
5.3J	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN
49J	NG/KG	HEXACHLORODIBENZODIOXIN (TOTAL)
410	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN
1200J	NG/KG	HEPTACHLORODIBENZODIOXIN (TOTAL)
11000J	NG/KG	OCTACHLORODIBENZODIOXIN
4U	NG/KG	2,3,7,8-TETRACHLORODIBENZOFURAN
16J	NG/KG	TETRACHLORODIBENZOFURAN (TOTAL)
11	NG/KG	1,2,3,7,8-PENTACHLORODIBENZOFURAN
5.4U	NG/KG	2,3,4,7,8-PENTACHLORODIBENZOFURAN
84J	NG/KG	PENTACHLORODIBENZOFURAN (TOTAL)
30U	NG/KG	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN
6.9	NG/KG	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN
5.4U	NG/KG	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN
3.2J	NG/KG	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN
48J	NG/KG	HEXACHLORODIBENZOFURAN (TOTAL)
80	NG/KG	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN
5.4U	NG/KG	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN
380J	NG/KG	HEPTACHLORODIBENZOFURAN (TOTAL)
180	NG/KG	OCTACHLORODIBENZOFURAN
20J	NG/KG	TEQ (TOXIC. EQUIV. VALUE, FROM I-TEF/89)
7	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane